

```

CCCCCCCCCCCCC LLL DDDDDDDDDDDDDDD
CCCCCCCCCCCCC LLL DDDDDDDDDDDDDDD
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CCCCCCCCCCCCC LLLLLLLLLLLLLLLLLL DDDDDDDDDDDDDDD
CCCCCCCCCCCCC LLLLLLLLLLLLLLLLLL DDDDDDDDDDDDDDD
CCCCCCCCCCCCC LLLLLLLLLLLLLLLLLL DDDDDDDDDDDDDDD

```

```

DDDDDDDD      CCCCCCCC  LL      TTTTTTTTTT  AAAAAA  BBBB BBBB  LL      EEEEEEEEEEE  11
DDDDDDDD      CCCCCCCC  LL      TTTTTTTTTT  AAAAAA  BBBB BBBB  LL      EEEEEEEEEEE  11
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      1111
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      1111
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      11
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      11
DD      DD      CC      TT      AA      AA  BBBB BBBB  LL      EEEEEEEEE  11
DD      DD      CC      TT      AA      AA  BBBB BBBB  LL      EEEEEEEEE  11
DD      DD      CC      TT      AAAAAAAAAA  BB      BB  LL      EE      11
DD      DD      CC      TT      AAAAAAAAAA  BB      BB  LL      EE      11
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      11
DD      DD      CC      TT      AA      AA  BB      BB  LL      EE      11
DD      DD      CC      TT      AA      AA  BBBB BBBB  LL      EEEEEEEEEEE  111111
DDDDDDDD      CCCCCCCC  LLLLLLLLLL  TT      AA      AA  BBBB BBBB  LLLLLLLLLL  EEEEEEEEEEE  111111
DDDDDDDD      CCCCCCCC  LLLLLLLLLL  TT      AA      AA  BBBB BBBB  LLLLLLLLLL  EEEEEEEEEEE  111111
...
...
...
...
...

LL      IIIIIII  SSSSSSSS
LL      IIIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL  IIIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIIII  SSSSSSSS

```

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]ACC.CLD;1 (1)

Version: 'V04-000'

V03-003 DAS0002 David Solomon 27-Jan-1984  
Remove type declarations for /TYPE and /PROCESS (as they  
are not used). Add disallow clauses to make /BINARY, /BRIEF,  
/FULL, and /SUMMARY mutually exclusive. Don't allow /SORT with  
/SUMMARY. Require /SUMMARY with /REPORT.

V03-002 DAS0001 David Solomon 25-May-1983  
Remove TYPE=xxx from /TYPE, /PROCESS, and /SORT qualifiers,  
because the syntax that ACC accepted in V3 is not accepted  
by DCL in V4, given the existing keyword TYPE definitions.

V03-001 PCA100B Paul C. Anagnostopoulos 25-Mar-1983  
Fix the VALUE clauses so that there are commas between  
the subclauses. The new CLD requires them.

```
define type ACNT_REPORT_KEYWORDS
keyword BUFFERED 10
keyword DIRECT 10
keyword ELAPSED
keyword EXECUTION
keyword FAULTS
keyword GETS
keyword PAGE_FILE
keyword PAGE_READS
keyword PAGES
keyword PROCESSOR
keyword QIOS
keyword RECORDS default
keyword VOLUMES
keyword WORKING_SET
```

```
define type ACNT_SUMMARY_KEYWORDS
keyword ACCOUNT
keyword DATE
keyword DAY
keyword HOUR
keyword IMAGE
keyword JOB
keyword MONTH
keyword NODE
keyword PROCESS
keyword QUEUE
keyword TERMINAL
keyword TYPE
keyword UIC
keyword USER default
keyword WEEKDAY
keyword YEAR
```

```
53 define      verb      ACCOUNTING
54      image
55      parameter      ACC
56                      P1      label = INPUT
                           value (list,type=$infile,default=SYSSMANAGER:.DAT;)
```



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]ACC.CLD;1 (1)

```
57 |
58 | Accounting record output qualifers
59 |
60 |     qualifier    BINARY
61 |     qualifier    BRIEF
62 |     qualifier    FULL
63 |     qualifier    LOG
64 |     qualifier    OUTPUT    default
65 |                               value    (type=$outfile,default=SYS$OUTPUT)
66 |     qualifier    REPORT    default
67 |                               value    (type=ACNT_REPORT_KEYWORDS,list)
68 |     qualifier    REJECTED
69 |                               value    (required,type=$outfile)
70 |     qualifier    SUMMARY    value    (type=ACNT_SUMMARY_KEYWORDS,list)
71 |     qualifier    TITLE     value    (required)
72 |
73 | Accounting record selection qualifiers
74 |
75 |     qualifier    ACCOUNT    value    (required,list)
76 |     qualifier    ADDRESS    value    (required,list)
77 |     qualifier    BEFORE     value    (default=TODAY,type=$datetime)
78 |     qualifier    ENTRY      value    (required,list)
79 |     qualifier    IDENT      value    (required,list)
80 |     qualifier    IMAGE      value    (required,list)
81 |     qualifier    JOB        value    (required,list)
82 |     qualifier    NODE       value    (required,list)
83 |     qualifier    OWNER      value    (required,list)
84 |     qualifier    PRIORITY    value    (required,list)
85 |     qualifier    PROCESS     value    (required,list)
86 |     qualifier    QUEUE       value    (required,list)
87 |     qualifier    REMOTE_ID   value    (required,list)
88 |     qualifier    SINCE      value    (default=TODAY,type=$datetime)
89 |     qualifier    STATUS      value    (required,list)
90 |     qualifier    TERMINAL    value    (required,list)
91 |     qualifier    TYPE        value    (required,list)
92 |     qualifier    UIC         value    (required,list,type=$uic)
93 |     qualifier    USER       value    (required,list)
94 |
95 | Accounting record sort qualifiers
96 |
97 |     qualifier    SORT        value    (default=USER,list)
98 |
99 |     disallow      any2( SUMMARY, SORT )
100 |     disallow      any2( BRIEF, FULL, BINARY, SUMMARY )
101 |     disallow      not SUMMARY and REPORT
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]ANALYZE.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-022 DGB0066 Donald G. Blair 03-Jul-1984  
Allow negation of all qualifiers for ANALYZE/IMAGE and  
ANALYZE/OBJECT and ANALYZE/RMS\_FILE

V03-021 EAD0147 Elliott A. Drayton 12-Apr-1984  
Change file default for ANALYZE/ERROR\_LOG.

V03-020 SAR0244 Sharon A. Reynolds 4-Apr-1984  
Removed the negatable clause from /sid\_selection  
for ANALYZE/ERROR\_LOG.

V03-019 EAD0121 Elliott A. Drayton 24-Mar-1984  
Removed qualifier UNKNOWN.

V03-018 EAD0106 Elliott A. Drayton 28-Feb-1984  
Added LIST keyword for parameter(list of input file names)

V03-017 WMC0007 Wayne Cardoza 27-Feb-1984  
Remove checkpoint and journaling related stuff.

V03-016 JMG0011 Joel M. Gringorten 6-Feb-1984  
Added STATISTICS qualifier for ANALYZE/SUMMARY.

V03-015 SAR0185 Sharon A. Reynolds 17-Jan-1984  
Added HISTOGRAM keyword for ANALYZE/ERROR/SUMMARY.

V03-014 SAR0123 Sharon A. Reynolds 23-Aug-1983  
Added a file spec value for the /binary qualifier  
for ANALYZE/ERROR\_LOG.

V03-013 LJA0084 Laurie J. Anderson 25-Jul-1983  
Fix CLD defaults for ANALYZE/AUDIT

V03-012 WMC0006 Wayne Cardoza 24-Jul-1983  
Add ANALYZE/PROC/OUTPUT.

V03-011 LJA0076 Laurie J. Anderson 21-Jun-1983  
Add support for new ANALYZE/AUDIT utility

V03-010 SAR0019 Sharon A. Reynolds 27-Apr-1983  
Added keyword support for /summary. Removed the negatable  
clause for /brief, /register\_dump, and /unknown qualifiers.  
(analyze/error).

V03-009 WMC0005 Wayne Cardoza 20-Apr-1983  
Add ANALYZE/PROCESS DUMP  
THIS AND THE TWO PRECEDING UPDATES WERE ACCIDENTALLY DELETED  
SOMEHOW.

V03-008 PCA1012 Paul C. Anagnostopoulos 14-Apr-1983  
Allow /NOOUTPUT on the ANALYZE/RMS command.

V03-007 WMC0004 Wayne Cardoza 04-Apr-1983



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]ANALYZE.CLD;1 (1)

```
57      More /CHECKPOINT qualifiers.
58
59      V03-006 PCA0070      Paul C. Anagnostopoulos 31-Mar-1983
60      Remove the PROMPT clauses from the qualifiers added in
61      EAD0070.
62
63      V03-005 EAD0070      Elliott A. Drayton      29-Mar-1983
64      Add support for ana/error.
65
66      V03-004 WMC0003      Wayne Cardoza      25-Mar-1983
67      Add /OUTPUT for checkpoint
68
69      V03-003 WMC0002      Wayne Cardoza      10-Feb-1983
70      New checkpoint qualifiers
71
72      V03-002 MTR0001      Mike Rhodes      3-Jan-1983
73      Add list to PATTERN keyword (ANALYZE/MEDIA/EXERCISE).
74
75      V03-001 WMC0001      Wayne Cardoza      28-Dec-1982
76      Add /CHECKPOINT qualifiers
77
78      define syntax analyze_crash_dump
79      image sda
80      parameter p1,label=dump_file,prompt='Dump File',value(required,type=$infile)
81      qualifier CRASH_DUMP,default
82      qualifier SYSTEM
83      qualifier SYMBOLS,value(required,type=$infile)
84
85      define syntax analyze_disk_structure
86      image verify
87      parameter p1,label=device,prompt='Device',value(required,type=$device)
88      qualifier CONFIRM
89      qualifier DISK_STRUCTURE,default
90      qualifier LIST,value(type=$outfile)
91      qualifier READ_CHECK
92      qualifier REPAIR
93      qualifier USAGE,value(type=$outfile)
94
95      define type SUMMARY_TYPE_KEYWORDS
96      keyword DEVICE
97      keyword ENTRY
98      keyword HISTOGRAM
99      keyword MEMORY
100     keyword VOLUME
101
102     define type ENTRY_KEYWORDS
103     keyword END,          value(type=$number)
104     keyword START,       value(type=$number)
105
106     define syntax analyze_error_log
107     image SYSSYSTEM:ERF.EXE
108     parameter P1, label=file_specs,
109     value(list,type=$infile,default='SYSSERRORLOG:ERRLOG.SYS')
110     qualifier BEFORE,    value(type=$datetime),nonnegatable
111     qualifier BINARY,    value(type=$outfile)
112     qualifier BRIEF,     nonnegatable
```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]ANALYZE.CLD;1 (1)

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```
113     qualifier ENTRY,                value(required,  
114                                     type=ENTRY_KEYWORDS,list),  
115                                     nonnegatable  
116     qualifier EXCLUDE,             value(required,list),  
117                                     nonnegatable  
118     qualifier FULL,                 negatable  
119     qualifier INCLUDE,              value(required,list),  
120                                     nonnegatable  
121     qualifier LOG,                  negatable  
122     qualifier OUTPUT,               default,value(default=SYSS$OUTPUT),  
123                                     nonnegatable  
124     qualifier PAGE,                 negatable  
125     qualifier REJECTED,             value(type=$outfile)  
126     qualifier REGISTER_DUMP,        nonnegatable  
127     qualifier SID_REGISTER,         value(required,  
128                                     type=$number),nonnegatable  
129     qualifier SINCE,                value(default=today,type=$datetime),  
130                                     nonnegatable  
131     qualifier STATISTICS,           nonnegatable  
132     qualifier SUMMARY,              value(type=SUMMARY_TYPE_KEYWORDS,list),  
133                                     nonnegatable  
134  
135 define syntax analyze_image  
136     image analyzobj  
137     parameter p1,label=file_specs,prompt="File(s)",value(required,list,type=$infile)  
138     qualifier FIXUP_SECTION,placement=positional  
139     qualifier GST,placement=positional  
140     qualifier HEADER,placement=positional  
141     qualifier OUTPUT,default,value(default="SYSS$OUTPUT",type=$outfile)  
142     qualifier IMAGE,default  
143     qualifier INTERACTIVE  
144     qualifier PATCH_TEXT,placement=positional  
145  
146 define syntax analyze_rms_file  
147     image analyzrms  
148     parameter p1,label=file_specs,prompt="File(s)",value(required,list,type=$infile)  
149     qualifier CHECK  
150     qualifier FDL  
151     qualifier INTERACTIVE  
152     qualifier STATISTICS  
153     qualifier SUMMARY  
154     qualifier OUTPUT,default,value(type=$outfile)  
155  
156 define syntax analyze_system  
157     image sda  
158     noparameters  
159  
160 :  
161 : Keyword definitions for ANALYZE/MEDIA  
162 :  
163 define type exer_keywords  
164     keyword FULL  
165     keyword KEEP, negatable  
166     keyword PATTERN, value (list)  
167  
168 define type show_keywords
```



```

169 keyword BEFORE, negatable
170 keyword AFTER, negatable
171
172 define syntax analyze_media
173 image analyzbad
174 parameter p1, label=device, prompt='Device', value (required, type=$device)
175
176 qualifier BAD BLOCKS, nonnegatable, value (list)
177 qualifier EXERCISE, value (list, type=exer_keywords)
178 qualifier LOG
179 qualifier OUTPUT, value (default='SYS$OUTPUT', type=$outfile)
180 qualifier RETRY
181 qualifier SHOW, nonnegatable, value (list, type=show_keywords)
182
183 !**JNL** define syntax analyze_checkpoint
184 !**JNL** image chkanal
185 !**JNL** parameter p1, prompt='File', value(required, type=$infile), label=chkpnt
186 !**JNL** qualifier full
187 !**JNL** qualifier quota
188 !**JNL** qualifier interactive
189 !**JNL** qualifier database
190 !**JNL** qualifier output, value(default='SYS$OUTPUT', type=$outfile)
191 !**JNL** qualifier record, value(required)
192 !**JNL** qualifier create, value(type=$outfile)
193
194 define syntax analyze_process_dump
195 image analindmp
196 parameter p1, prompt='File', value(required, type=$infile)
197 qualifier image, value(type=$outfile)
198 qualifier noimage
199 qualifier interactive
200 qualifier full
201 qualifier miscellaneous
202 qualifier relocation
203 qualifier output, value(default='SYS$OUTPUT', type=$outfile)
204
205 ! Keyword definitions for ANALYZE/AUDIT
206
207 !**JNL** define type FILE_ACCESS_KEYWORDS
208 !**JNL** keyword BYPASS, value( list, type=ACCESS_TYPE_KEYWORDS )
209 !**JNL** keyword FAILURE, value( list, type=ACCESS_TYPE_KEYWORDS )
210 !**JNL** keyword GRPPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
211 !**JNL** keyword READALL, value( list, type=ACCESS_TYPE_KEYWORDS )
212 !**JNL** keyword SUCCESS, value( list, type=ACCESS_TYPE_KEYWORDS )
213 !**JNL** keyword SYSPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
214 !**JNL** keyword RECORD_MANAGEMENT, value( list, type=RMS_SERVICES )
215
216 !**JNL** define type ACCESS_TYPE_KEYWORDS
217 !**JNL** keyword READ
218 !**JNL** keyword WRITE
219 !**JNL** keyword EXECUTE
220 !**JNL** keyword DELETE
221 !**JNL** keyword OWNER
222
223 !**JNL** define type RMS_SERVICES
224 !**JNL** keyword CLOSE

```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]ANALYZE.CLD;1 (1)

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```
225 ！**JNL**      keyword CREATE
226 ！**JNL**      keyword DELETE
227 ！**JNL**      keyword EXTEND
228 ！**JNL**      keyword FIND
229 ！**JNL**      keyword GET
230 ！**JNL**      keyword OPEN
231 ！**JNL**      keyword PUT
232 ！**JNL**      keyword READ
233 ！**JNL**      keyword TRUNCATE
234 ！**JNL**      keyword UPDATE
235 ！**JNL**      keyword WRITE
236
237 ！**JNL**      define type LOGIN_KEYWORDS
238 ！**JNL**          keyword BATCH
239 ！**JNL**          keyword DIALUP
240 ！**JNL**          keyword FAILURES
241 ！**JNL**          keyword LOCAL
242 ！**JNL**          keyword NETWORK
243 ！**JNL**          keyword PROCESS
244
245 ！**JNL**      define type LOGOUT_KEYWORDS
246 ！**JNL**          keyword BATCH
247 ！**JNL**          keyword DIALUP
248 ！**JNL**          keyword LOCAL
249 ！**JNL**          keyword NETWORK
250 ！**JNL**          keyword PROCESS
251
252 ！**JNL**      define type JOURNAL_TYPE_KEYWORDS
253 ！**JNL**          keyword AT                      default
254 ！**JNL**          keyword AI
255 ！**JNL**          keyword BI
256 ！**JNL**          keyword RU
257
258 ！**JNL**      define syntax analyze_audit
259 ！**JNL**          image audit
260 ！**JNL**          parameter p1,label=file_spec,value(list,type=$infile)
261 ！**JNL**          qualifier ACL
262 ！**JNL**          qualifier AUTHORIZATION
263 ！**JNL**          qualifier BACKWARD,              nonnegatable
264 ！**JNL**          qualifier BEFORE,                nonnegatable,value(default=TODAY,type=$datetime)
265 ！**JNL**          qualifier FILE_ACCESS,          value(type=FILE_ACCESS_KEYWORDS,(list)
266 ！**JNL**          qualifier FORWARD,              nonnegatable,default
267 ！**JNL**          qualifier FULL
268 ！**JNL**          qualifier IDENTIFICATION,        value(list,type=$number,required)
269 ！**JNL**          qualifier JOURNAL,              nonnegatable,value(list,type=$infile)
270 ！**JNL**          qualifier LOGIN,                value(list,type=LOGIN_KEYWORDS)
271 ！**JNL**          qualifier LOGOUT,              value(list,type=LOGOUT_KEYWORDS)
272 ！**JNL**          qualifier MAILBOX_IO,           value(list,type=$device)
273 ！**JNL**          qualifier MOUNT
274 ！**JNL**          qualifier OUTPUT                nonnegatable,value(type=$outfile,default=sys$output:),default
275 ！**JNL**          qualifier SETPRV
276 ！**JNL**          qualifier SINCE,                nonnegatable,value(default=TODAY,type=$datetime)
277 ！**JNL**          qualifier TERMINAL_IO,          value(list,type=$device)
278 ！**JNL**          qualifier TYPE,                value(required,type=JOURNAL_TYPE_KEYWORDS)
279 ！**JNL**          qualifier UIC,                  value(list,type=$uic)
280
```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]ANALYZE.CLD;1 (1)

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```
281 !**JNL** disallow (BACKWARD and FORWARD)
282
283 ANALYZE
284
285 define verb ANALYZE
286     image analyzobj
287     parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=$infile)
288
289 !**JNL**     qualifier AUDIT,nonnegatable,syntax=analyze_audit
290     qualifier CRASH_DUMP,nonnegatable,syntax=analyze_crash_dump
291     qualifier DISK_STRUCTURE,nonnegatable,syntax=analyze_disk_structure
292     qualifier ERROR_LOG,nonnegatable,syntax=analyze_error_log
293     qualifier IMAGE,nonnegatable,syntax=analyze_image
294     qualifier MEDIA,nonnegatable,syntax=analyze_media
295     qualifier OBJECT,default,nonnegatable
296     qualifier RMS_FILE,nonnegatable,syntax=analyze_rms_file
297     qualifier SYSTEM,nonnegatable,syntax=analyze_system
298 !**JNL**     qualifier CHECKPOINT,nonnegatable,syntax=analyze_checkpoint
299     qualifier PROCESS_DUMP,nonnegatable,syntax=analyze_process_dump
300
301     qualifier DBG,placement=positional
302     qualifier EOM,placement=positional
303     qualifier GSD,placement=positional
304     qualifier INCLUDE,placement=local,value(default='*',list)
305     qualifier INTERACTIVE
306     qualifier LNK,placement=positional
307     qualifier MHD,placement=positional
308     qualifier OUTPUT,default,value(default='SYS$OUTPUT',type=$outfile)
309     qualifier TBT,placement=positional
310     qualifier TIR,placement=positional
```

\$ SET COMMAND SRC\$::ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]BACKUP.CLD;1 (2)

Page 1

1 module BACKUPCMD

2 Version: 'V04-000'

3 V03-005 LY0515 Larry Yetto 24-JUL-1984 11:08  
4 Do not allow both /RECORD and /DELETE on the same line

5 V03-004 JEP0004 J. Eric Pollack, 21-Aug-1983  
6 Revise /ENCRYPT syntax

7 V03-003 JEP0003 J. Eric Pollack, 23-Apr-1983 10:53  
8 Add support for encrypted save sets.

9 V03-002 MLJ0108 Martin L. Jack 13-Apr-1983  
10 Remove \$DATETIME from BEFORE and SINCE.

11 V03-001 ACG0314 Andrew C. Goldstein 10-Feb-1983 22:24  
12 Make /NOREWIND and /NOINITIALIZE default for save sets

13 define type encryp\_val

14 keyword NAME value(type=\$outlog)

15 keyword ALGORITHM value(type=\$outlog,default='DESCBC')

16 keyword VALUE value(list)

17 define syntax BACKUP\_LIST

18 parameter P1

19 label=INPUTS

20 prompt='From'

21 value(list,type=\$infile)

22 parameter P2

23 label=OUTPUTS

24 prompt='To'

25 value(list,type=\$outfile)

26 define verb BACKUP

27 parameter P1

28 label=INPUTS

29 prompt='From'

30 value(required,list,type=\$infile)

31 parameter P2

32 label=OUTPUTS

33 prompt='To'

34 value(required,list,type=\$outfile)

35 qualifier ANALYZE

36 qualifier BACKUP

37 qualifier BEFORE

38 value(required)

39 qualifier BLOCK SIZE

40 value(required)

41 qualifier BRIEF

42 qualifier BUFFER COUNT

43 value(required)

44 qualifier COMMENT

45 value(required)

46 qualifier COMPARE

47 qualifier CONFIRM

48 qualifier CRC

49 default

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]BACKUP.CLD;1 (2)

```
57 qualifier CREATED
58 qualifier DELETE
59 qualifier DENSITY
60 value(required)
61 qualifier ENCRYPT
62 value(list,type=encryp_val)
63 disallow ENCRYPT.NAME and ENCRYPT.VALUE
64 qualifier EXCLUDE
65 value(required,list,type=$infile)
66 qualifier EXPIRED
67 qualifier FAST
68 qualifier FULL
69 qualifier GROUP SIZE
70 value(required)
71 qualifier IGNORE
72 value(required,list,type=$infile)
73 qualifier IMAGE
74 qualifier INCREMENTAL
75 qualifier INITIALIZE
76 qualifier INTERCHANGE
77 qualifier JOURNAL
78 value(type=$outfile)
79 qualifier LABEL
80 value(required,list)
81 qualifier LIST
82 value
83 syntax=BACKUP_LIST
84 qualifier LOG
85 qualifier MODIFIED
86 qualifier NEW VERSION
87 qualifier OVERLAY
88 qualifier OWNER_UIC
89 placement=local
90 value(type=$uic)
91 qualifier PHYSICAL
92 qualifier PROTECTION
93 placement=positional
94 value(list)
95 qualifier RECORD
96 qualifier REPLACE
97 qualifier REWIND
98 qualifier SAVE_SET
99 placement=local
100 qualifier SELECT
101 value(required,list,type=$infile)
102 qualifier SINCE
103 value(required)
104 qualifier TRUNCATE
105 qualifier VERIFY
106 qualifier VOLUME
107 value(required)
108 disallow DELETE and RECORD
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]CHECKSUM.CLD;1 (1)

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Version: 'V04-000'

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DEFINE VERB CHECKSUM

PARAMETER P1,LABEL=input,PROMPT='File',VALUE(REQUIRED)

QUALIFIER output, DEFAULT, VALUE(DEFAULT=SYSS\$OUTPUT)

QUALIFIER image

QUALIFIER file

\$ SET COMMAND SRC\$=ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



16-SEP-1984 03:59  
15-SEP-1984 22:42

VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]CONVERT.CLD;1 (1)

Page 1

Version: 'V04-000'

define syntax reclaim

image reclaim

parameter p1,label=file\_name,prompt='File',value(required,type=\$infile)  
qualifier statistics

define verb convert

image convert

parameter p1,label=infile,prompt='Input',value(required,list,type=\$infile)  
parameter p2,label=outfile,prompt='Output',value(required,type=\$outfile)

qualifier append

qualifier create,default

qualifier fdl,label=fdl,value(required,type=\$infile),nonnegatable

qualifier exceptions\_file,label=exception,value(default='SYS\$OUTPUT',type=\$infile),nonnegatable

qualifier exit

qualifier fast\_load,default

qualifier fill\_buckets

qualifier fixed\_control

qualifier key,value(required,type=\$number),nonnegatable

qualifier merge,nonnegatable

qualifier pad,value(default='%D0')

qualifier prologue,value(required,type=\$number),nonnegatable

qualifier read\_check

qualifier share

qualifier sort,default

qualifier statistics

qualifier truncate

qualifier work\_files,value(required,type=\$number),nonnegatable

qualifier write\_check

qualifier reclaim,syntax=reclaim,nonnegatable

\$ SET COMMAND SRC\$=ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]COPY.CLD;1 (1)

Page 1

Version: 'V04-000'

```
define type protection
    keyword system,value
    keyword group,value
    keyword owner,value
    keyword world,value
```

```
define verb append
    image copy
    parameter p1, label=infile, prompt='From',
        value(required,list,impcat,type=$infile)
    parameter p2, label=outfile, prompt='To',
        value(required,type=$outfile)
    qualifier allocation, value(required), placement=positional
    qualifier contiguous, placement=positional
    qualifier extension, value(required), placement=positional
    qualifier file_maximum, value(required,list), placement=positional
    qualifier new_version,
    qualifier protection, value(required,list,type=protection),
        placement=positional
    qualifier read_check, placement=positional
    qualifier log
    qualifier write_check, placement=positional
    qualifier confirm
    qualifier exclude,value(list)
    qualifier before,value(default=today)
    qualifier since,value(default=today)
    qualifier created
    qualifier modified
    qualifier expired
    qualifier backup
    qualifier by_owner,value(type=$uic)
```

```
define syntax copy_using_pip
    image backtrans
```

```
define verb copy
    image copy
    parameter p1, label=infile, prompt='From',
        value(required,list,impcat,type=$infile)
    parameter p2, label=outfile, prompt='To',
        value(required,type=$outfile)
    qualifier allocation, value(required,list), placement=positional
    qualifier concatenate, default
    qualifier contiguous, placement=positional
    qualifier extension, value(required), placement=positional
    qualifier file_maximum, value(required), placement=positional
    qualifier overlay, placement=positional
    qualifier protection, value(required,list,type=protection),
        placement=positional
    qualifier read_check, placement=positional
    qualifier replace, placement=positional
    qualifier log
```

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]COPY.CLD;1 (1)

57       qualifier volume,       value(required)  
58       qualifier write\_check, placement=positional  
59       qualifier truncate,    placement=positional  
60       qualifier confirm  
61       qualifier exclude,value(list)  
62       qualifier before,value(default=today)  
63       qualifier since,value(default=today)  
64       qualifier created  
65       qualifier modified  
66       qualifier expired  
67       qualifier backup  
68       qualifier by\_owner,value(type=Suic)

% SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]CREATE.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-005 HWS0004 Harold Schultz 07-Feb-1984  
Changed syntax of /LOGICAL\_NAME\_TABLE qualifier to  
/NAME\_TABLE. Also added additional protection qualifier  
when creating a logical name table of the form:  
CREATE/NAME\_TABLE/PROTECTION=(SY:RWED,OW:RWED,...)  
Add /LOG qualifier to logical name table creation table.

V03-004 PCG0002 Peter George 31-May-1983  
Add PREFIX to CREATE/LOGICAL\_NAME\_TABLE.

V03-003 PCG0001 Peter George 27-May-1983  
Add CREATE/LOGICAL\_NAME\_TABLE.

V03-002 MAJ0001 Melanie Johnson 25-May-1983  
These definitions are being added to MCR with the exception of  
CREATE/FDL, which is being flagged for MCR to ignore it.

V03-001 SHZ0001 Stephen H. Zalewski 16-May-1983  
Modified CREATE qualifiers.

define type protection  
keyword system,value  
keyword group,value  
keyword owner,value  
keyword world,value

define syntax fdl  
image createfdl  
parameter p1,label=file\_name,prompt=" ",value(type=\$outfile)

define type attribute\_keywords  
keyword confine  
keyword no\_alias  
keyword supersede

define syntax name\_table  
cliroutine ctable  
prefix clisk\_cret  
parameter p1,prompt="Table name",value(required)  
qualifier user\_mode  
qualifier supervisor\_mode  
qualifier executive\_mode  
qualifier attributes,value(required,type=attribute\_keywords,list)  
qualifier parent\_table,value(required)  
qualifier quota,value(required,type=\$number)  
qualifier protection,value(required,list,type=protection)  
qualifier log

define verb create  
image create  
parameter p1,prompt="File",value(required,list,impcat,type=\$outfile),label=output  
qualifier directory

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]CREATE.CLD;1 (1)

```
57 qualifier owner_uic, value(type=$uic,required)
58 qualifier protection, value(required,(ist,type=protection)
59 qualifier log
60 qualifier version_limit,value(required)
61 qualifier volume, value(required)
62 qualifier fdl,label=fdl_file,value(type=$infile,required),cliflags(mcrignore),syntax=fdl
63 qualifier name_table,syntax=name_table
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]DCLINT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-030 HWS0068 Harold Schultz 24-May-1984  
Change WRITE/SYMBOL second parameter type to  
\$QUOTED\_STRING.

V03-029 HWS0040 Harold Schultz 26-Mar-1984  
Change ALLOCATE syntax to ALLOCATE /GENERIC DEV  
Add READ/TIME\_OUT=n.  
Add CLOSE/LOG.

V03-028 PCG0016 Peter George 23-Mar-1984  
Add /JOB qualifier to logical name commands.

V03-027 HWS0025 Harold Schultz 09-Mar-1984  
Add /SYMBOL to WRITE command

V03-026 PCG0015 Peter George 01-Dec-1983  
Add DEFINE/KEY/ERASE.

V03-025 MLJ0025 Martin L. Jack 23-Aug-1983  
Add DEFINE/FORM/PAGE\_SETUP.

V03-024 MLJ0024 Martin L. Jack 29-Jul-1983  
Enhance DEFINE/FORM.

V03-023 PCG0014 Peter George 27-Jul-1983  
Remove privilege list.  
Remove X-form of logical name commands.

V03-022 PCG0013 Peter George 21-Jun-1983  
Make second WRITE parameter \$EXPRESSION.

V03-021 PCG0012 Peter George 21-Jun-1983  
Add /CONTINUE to CONNECT and DISCONNECT.

V03-020 PCG0011 Peter George 21-Jun-1983  
Add CONNECT and DISCONNECT.

V03-019 PCG0010 Peter George 31-May-1983  
Add PREFIX to XDEFINE and XALLOCATE.

V03-018 MLJ0018 Martin L. Jack 27-May-1983  
Add DEFINE/FORM and DEFINE/CHARACTERISTIC.

V03-017 PCG0008 Peter George 27-May-1983  
Add SECURITY priv.  
Add XDEFINE, XASSIGN, XALLOCATE, XDALLOCATE, XDEASSIGN.

V03-016 PCG0007 Peter George 30-Apr-1983  
Add /LOG to ALLOCATE, ASSIGN, DEFINE.

V03-015 MLJ0015 Martin L. Jack 27-Apr-1983  
Changes to STOP/QUEUE for new QUEMAN image.



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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]DCLINT.CLD;1 (1)

Page 2

```
57 V03-014 PRB0175 Paul Beck 27-APR-1983 15:50:39
58 Add TMPJNL, PRMJNL privileges.
59
60 V03-013 PCG0006 Peter George 10-Apr-1983
61 Modify RECALL, ALLOCATE.
62 Create RUN.CLD.
63
64 V03-012 PCG0005 Peter George 28-Mar-1983
65 Add DEFINE/KEY, RECALL.
66
67 V03-011 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
68 Make all necessary changes for new CDU.
69
70 V03-010 WMC0010 Wayne Cardoza 07-Mar-1983
71 New RUN/CHECK qualifier
72
73 V03-009 PCA1008 Paul C. Anagnostopoulos 4-Mar-1983
74 Put back the PREFIX clause for the RUN verb.
75
76 V03-008 MLJ0008 Martin L. Jack 01-Mar-1983
77 Changes for new QUEMAN image.
78
79 V03-007 PCA1008 Paul C. Anagnostopoulos 25-Feb-1983
80 Clean up various things.
81
82 V03-006 PCG0004 Peter George 24-Feb-1983
83 Specify NOSTAT for appropriate verbs.
84
85 V03-005 PCG0003 Peter George 05-Jan-1983
86 Add READ/MATCH
87
88 V03-004 PCG0002 Peter George 15-Dec-1982
89 Remove HELP
90
91 V03-003 PCG0001 Peter George 20-Aug-1982
92 Add CANCEL
93
94 V03-002 WMC0001 Wayne Cardoza 11-Aug-1982
95 Add RUN/CHECKPOINT, RUN/RESTART
96
97 V03-001 DWT0053 David Thiel 15-Jul-1982
98 Allow negated privileges
99 Add commands previously defined in DATABASE.MAR
100
101 define verb allocate
102     cliroutine allocate
103     prefix clisk_allo
104     parameter p1,prompt='Device',value(required,list,type=$device)
105     parameter p2,prompt='Log name',value(type=$outlog)
106     qualifier generic
107     qualifier log
108
109 define syntax merge_queue
110     image queman
111
112 define type tran_attr
```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]DCLINT.CLD;1 (1)

Page 3

```
113 keyword concealed
114 keyword terminal
115
116 define type name_attr
117 keyword confine
118 keyword no_alias
119
120 define verb assign
121   cliroutine assign
122   parameter p1,prompt='Device',value(required,type=$infile,list)
123   parameter p2,prompt='Log name',value(required,type=$outlog)
124   qualifier system ! Must be #1.
125   qualifier group ! Must be #2.
126   qualifier job ! Must be #3.
127   qualifier process ! Must be #4.
128   qualifier user_mode ! Must be #5.
129   qualifier supervisor_mode ! Must be #6.
130   qualifier executive_mode ! Must be #7.
131   qualifier table,value(required) ! Must be #8.
132   qualifier log ! Must be #9.
133   qualifier name_attributes ! Must be #10.
134     value(type=name_attr,list)
135   qualifier translation_attributes ! Must be #11.
136     placement=positional,
137     value(type=tran_attr,list)
138   qualifier queue,syntax=merge_queue
139   qualifier merge,syntax=merge_queue
140
141 define verb cancel
142   cliroutine cancel
143   parameter p1,label=p1,prompt='File',value(type=$process)
144   qualifier identification,value(required)
145
146 define verb close
147   prefix cli$kclos_
148   cliroutine close
149   parameter p1,prompt='Log name',value(required,type=$inlog)
150   qualifier end_of_file,value(required) ! /EOF and /ERROR must be
151   qualifier error,value(required) ! first for all file commands.
152   qualifier log
153
154 define verb connect
155   prefix cli$kcconn_
156   cliroutine connect
157   parameter p1,prompt='Terminal name',value(required,type=$device)
158   qualifier continue
159   qualifier logout
160   disallow (continue and logout)
161
162 define verb continue
163   synonym c
164   cliroutine continue
165   cliflags(abbreviate,nostatus)
166
167 define syntax deallocate_all_devices
168   noparameters
```

```

169
170 define verb deallocate
171     cliroutine deallocat
172     parameter p1,prompt='Device',value(required,type=$device)
173     qualifier all,syntax=deallocate_all_devices
174
175 define syntax deassign_all_names
176     noparameters
177
178 define syntax deassign_queue
179     image queman
180
181 define verb deassign
182     cliroutine deassign
183     parameter p1,prompt='Log name',value(required,type=$inlog)
184     qualifier system                Must be #1.
185     qualifier group                 Must be #2.
186     qualifier job                   Must be #3.
187     qualifier process               Must be #4.
188     qualifier user_mode             Must be #5.
189     qualifier supervisor_mode      Must be #6.
190     qualifier executive_mode       Must be #7.
191     qualifier table,value(required) Must be #8.
192     qualifier all,syntax=deassign_all_names Must be #9.
193     qualifier queue,syntax=deassign_queue
194
195 define verb debug
196     cliroutine debug
197
198 define verb deck
199     cliroutine deck
200     cliflags(nostatus)
201     qualifier dollars,            value
202
203 define syntax define_characteristic
204     image queman
205     parameter p1,prompt='Char name',value(required)
206     parameter p2,prompt='Char number',value(required)
207
208 define type form_margin
209     keyword bottom,            value(required)
210     keyword left,              value(required)
211     keyword right,             value(required)
212     keyword top,               value(required)
213
214 define syntax define_form
215     image queman
216     parameter p1,prompt='Form name',value(required)
217     parameter p2,prompt='Form number',value(required)
218     qualifier characteristic
219     qualifier description,      nonnegatable,value(required)
220     qualifier length,           nonnegatable,value(required)
221     qualifier margin,           nonnegatable,value(required,list,type=form_margin)
222     qualifier page_setup,       value(required,list)
223     qualifier setup,            value(required,list)
224     qualifier sheet_feed

```

```

225     qualifier stock,          nonnegatable,value(required)
226     qualifier truncate
227     qualifier width,         nonnegatable,value(required)
228     qualifier wrap
229
230 define syntax define_key
231     prefix clisk_defk_
232     cliroutine defkey
233     parameter p1,prompt='Key name',value(required)
234     parameter p2,prompt='Equivalence name',value(required)
235     qualifier echo
236     qualifier terminate
237     qualifier lock_state
238     qualifier if_state,value(required,list)
239     qualifier set_state,value(required)
240     qualifier log
241     qualifier erase
242     disallow (not lock_state and terminate and set_state)
243     disallow (lock_state and not set_state)
244
245 define verb define
246     cliroutine define
247     prefix clisk_defi
248     parameter p1,prompt='Log name',value(required,type=$outlog)
249     parameter p2,prompt='Equ name',value(required,type=$infile,list)
250     qualifier system           : Must be #1.
251     qualifier group            : Must be #2.
252     qualifier job              : Must be #3.
253     qualifier process          : Must be #4.
254     qualifier user_mode        : Must be #5.
255     qualifier supervisor_mode  : Must be #6.
256     qualifier executive_mode    : Must be #7.
257     qualifier table,value(required) : Must be #8.
258     qualifier log              : Must be #9.
259     qualifier name_attributes, : Must be #10.
260         value(type=name_attr,list)
261     qualifier translation_attributes, : Must be #11.
262         placement=positional,
263         value(type=tran_attr,list)
264     qualifier key,syntax=define_key
265     qualifier characteristic,syntax=define_characteristic
266     qualifier form,syntax=define_form
267
268 ! DEPOSIT uses the same qualifiers as EXAMINE, and they must appear in the
269 ! same order.
270
271 define verb deposit
272     cliroutine deposit
273     cliflags(immediate,nostatus)
274     qualifier ascii,nonnegatable
275     qualifier byte,nonnegatable
276     qualifier decimal,nonnegatable
277     qualifier hexadecimal,nonnegatable
278     qualifier long,nonnegatable
279     qualifier octal,nonnegatable
280     qualifier word,nonnegatable

```



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VAX/VMS Command Definition Utility (V4-001) Page 6  
\_S255SDUA28:[CLD.SRC]DCLINT.CLD;1 (1)

```
281
282 define verb disconnect
283     cliroutine disconnect
284     qualifier continue
285
286 define verb dsm
287     image dsm
288     cliflags(foreign)
289
290 define verb eod
291     cliroutine eod
292     cliflags(immediate,nostatus)
293
294 define verb eoj
295     cliroutine eoj
296
297 define verb examine
298     cliroutine examine
299     prefix clisk_exam
300     cliflags(immediate,nostatus)
301     qualifier ascii,nonnegatable
302     qualifier byte,nonnegatable
303     qualifier decimal,nonnegatable
304     qualifier hexadecimal,nonnegatable
305     qualifier long,nonnegatable
306     qualifier octal,nonnegatable
307     qualifier word,nonnegatable
308
309 define verb exit
310     cliroutine exit
311     cliflags(immediate)
312
313 define verb goto
314     cliroutine goto
315     cliflags(nostatus)
316     parameter p1,prompt='Label',value(required)
317
318 define verb if
319     cliroutine if
320     cliflags(immediate,nostatus)
321
322 define verb inquire
323     cliroutine inquire
324     prefix clisk_inqu
325     cliflags(immediate)
326     qualifier global,nonnegatable
327     qualifier local,nonnegatable
328     qualifier punctuation
329
330 define verb logout
331     cliroutine logout
332     qualifier brief
333     qualifier full
334     qualifier hangup
335
336 define verb mcr
```

```

337     cliroutine mcr
338     cliflags(foreign)
339
340 define verb on
341     cliroutine on
342     cliflags(immediate)
343
344 define type share_options
345     keyword read
346     keyword write
347
348 define verb open
349     cliroutine open
350     prefix clisk_open
351     parameter p1,prompt="Log name",value(required,type=$outlog)
352     parameter p2,prompt="File",value(required,type=$infile)
353     qualifier end_of_file,value(required) ! Make /EOF=1, /ERROR=2 for
354     qualifier error,value(required) ! all file commands
355     qualifier read
356     qualifier write
357     qualifier share,value(type=share_options)
358     qualifier append
359     disallow (write and append)
360
361 define type match_keys
362     keyword eq
363     keyword ge
364     keyword gt
365
366 define verb read
367     cliroutine read
368     prefix clisk_read
369     parameter p1,prompt="Log name",value(required,type=$inlog)
370     parameter p2,prompt="Symbol",value(required,type=$outfile)
371     ! $outfile on p2 needed to preserve double quotes
372     qualifier end_of_file,value(required) ! Make /EOF=1, /ERROR=2 for
373     qualifier error,value(required) ! all file commands
374     qualifier key,value(required,list)
375     qualifier index,value(required)
376     qualifier delete
377     qualifier lock,default
378     qualifier prompt,value(required)
379     qualifier match,value(required,type=match_keys)
380     qualifier time_out,value(required,type=$number)
381
382 define syntax recall_all_commands
383     cliroutine recall
384     noparameters
385
386 define verb recall
387     cliroutine recall
388     parameter p1,value(type=$rest_of_line)
389     qualifier all,syntax=recall_all_commands
390
391 define syntax stop_cpu
392     image mp

```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]DCLINT.CLD;1 (1)

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```
393      noparameters
394
395  define syntax stop_queue
396      image queman
397      parameter p1,prompt="Queue",value(required)
398
399  define syntax stop_queue_manager
400      image queman
401      noparameters
402
403  define syntax write_symbol_out
404      parameter p1,prompt="Log name",value(required,type=$inlog)
405      parameter p2,prompt="Symbol",value(required,list,type=$quoted_string)
406
407
408  define verb stop
409      cliroutine stop
410      cliflags(nostatus)
411      parameter p1,prompt="Process",value(type=$process)
412      qualifier manager,      nonnegatable,syntax=stop_queue_manager
413      qualifier abort,        nonnegatable,syntax=stop_queue
414      qualifier next,         nonnegatable,syntax=stop_queue
415      qualifier identification,nonnegatable,value(required)
416      qualifier requeue,      nonnegatable,value,syntax=stop_queue
417      qualifier entry,        nonnegatable,value(required),syntax=stop_queue
418      qualifier priority,     nonnegatable,value(required),syntax=stop_queue
419      qualifier cpu,          nonnegatable,syntax=stop_cpu
420      qualifier queue,        nonnegatable,syntax=stop_queue
421      qualifier hold,         syntax=stop_queue
422      qualifier reset,        nonnegatable,syntax=stop_queue
423
424  define verb wait
425      cliroutine wait
426      cliflags(immediate,nostatus)
427
428  define verb write
429      cliroutine write
430      prefix clisk_writ
431      parameter p1,prompt="Log name",value(required,type=$inlog)
432      parameter p2,prompt="Expression",value(required,list,type=$expression)
433      qualifier end_of_file,  value(required) ! Make /EOF=1, /ERROR=2 for
434      qualifier error,       value(required) ! all file commands
435      qualifier update
436      qualifier symbols,      nonnegatable,syntax=write_symbol_out
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]DELETE.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-014 PCB0002 Peter George 13-Mar-1984  
Remove last vestiges of old command interface  
from DELETE command definition. Add DEL/SYM/LOG.

V03-013 WMC0004 Wayne Cardoza 16-Jan-1984  
Remove all CHKPNT stuff

V03-012 SHZ0004 Stephen H. Zalewski 10-Dec-1983  
Remove the /ON qualifier from DELETE and PURGE as it  
will not be implemented.

V03-011 WMC0003 Wayne Cardoza 31-Aug-1983  
CHECKPOINT should use BY\_OWNER

V03-010 MLJ0010 Martin L. Jack 27-Mar-1983  
Add DELETE/FORM and DELETE/CHARACTERISTIC.

V03-009 PCG001 Peter George 28-Mar-1983  
Add DELETE/KEY.

V03-008 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983  
Make all necessary changes for new CDU.

V03-007 SHZ003 Stephan H. Zalewski 12-Mar-1983  
Changed /BYOWNER to /BY\_OWNER for DELETE and PURGE.

V03-006 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Change /UIC qualifiers to /BYOWNER.

V03-005 SHZ0002 Stephen H. Zalewski 21-Jan-1983  
Add /ON qualifier to DELETE and PURGE.

V03-004 WMC0002 Wayne Cardoza 19-Jan-1983  
Add /LOG to DEL/CHECKPOINT

V03-003 WMC0001 Wayne Cardoza 05-Jan-1983  
New DEL/CHECKPOINT qualifiers.

V03-002 SHZ0001 Stephen H. Zalewski 5-Dec-1982  
Add a bunch of new qualifiers for both DELETE and PURGE.

V03-001 MAJ0001 Melanie Johnson 07-Oct-1982  
Put mcrignore flag into cliflags construct.

define syntax delete\_characteristic  
image queman  
parameter pl,prompt='Char name',value(required)

define syntax delete\_form  
image queman  
parameter pl,prompt='Form name',value(required)

define syntax delete\_entry\_or\_queue



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]DELETE.CLD;1 (1)

Page 2

```
57      image queman
58      parameter p1,prompt="Queue",value(required)
59
60 define syntax delete_all_symbols
61     noparameters
62
63 define syntax delete_symbol
64     cliroutine delsym
65     prefix clisk_dlsy
66     parameter p1,prompt="Symbol",value(required,type=$insym)
67     qualifier all,          syntax=delete_all_symbols
68     qualifier global
69     qualifier local
70     qualifier log
71
72 !**JNL** define syntax delete_checkpoint
73 !**JNL**      image chkcancmd
74 !**JNL**      parameter p1,prompt="File",value(required,list,impcat,type=$infile)
75 !**JNL**      qualifier log
76 !**JNL**      qualifier created
77 !**JNL**      qualifier modified
78 !**JNL**      qualifier confirm
79 !**JNL**      qualifier since,          value(default=today,type=$datetime)
80 !**JNL**      qualifier before,        value(default=today,type=$datetime)
81 !**JNL**      qualifier expired
82 !**JNL**      qualifier by_owner,      value(type=$uic)
83 !**JNL**      qualifier exclude,      value(required,list)
84
85 define syntax delete_all_keys
86     noparameters
87
88 define syntax delete key
89     cliroutine delkey
90     prefix clisk_delk
91     parameter p1,prompt="Key name",value(required)
92     qualifier log
93     qualifier state,value(required,list)
94     qualifier all,syntax=delete_all_keys
95
96 define verb delete
97     image delete
98     parameter p1,prompt="File",value(required,list,impcat,type=$infile), label=input
99     qualifier backup
100    qualifier before,          value(default=today,type=$datetime)
101 !**JNL**    qualifier checkpoint, syntax=delete_checkpoint
102    qualifier confirm
103    qualifier created
104    qualifier entry,          value(required,list),syntax=delete_entry_or_queue
105    qualifier erase
106    qualifier exclude,      value(required,list)
107    qualifier expired
108    qualifier log
109    qualifier modified
110    qualifier queue,        cliflags(mcrignore),syntax=delete_entry_or_queue
111    qualifier since,        value(default=today,type=$datetime)
112    qualifier symbol,        cliflags(mcrignore),syntax=delete_symbol
```

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]DELETE.CLD;1 (1)

```
113     qualifier by_owner,      value(type=$uic)
114     qualifier key,           cliflags(mcrignore),syntax=delete_key
115     qualifier characteristic,syntax=delete_characteristic
116     qualifier form,          syntax=delete_form
117
118 define verb purge
119     image delete
120     parameter p1,prompt='File',value(list,impcat,type=$infile,default='*..*'), label=input
121     qualifier backup
122     qualifier before,        value(default=today,type=$datetime)
123     qualifier confirm
124     qualifier created
125     qualifier erase
126     qualifier exclude,       value(required,list)
127     qualifier expired
128     qualifier keep,          value(required)
129     qualifier log
130     qualifier modified
131     qualifier since,         value(default=today,type=$datetime)
132     qualifier by_owner,      value(type=$uic)
```

% SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]DIFF.CLD;1 (1)

```
1 MODULE dif_command
2
3 Version: 'V04-000'
4
5 V03-001 PCG0001 Peter George 30-Mar-1983
6 Use CLI keyword parsing.
7
8
9 define type ignore_keywords
10 keyword blank_lines
11 keyword comments
12 keyword form_feeds
13 keyword header,value(default=2,type=$number)
14 keyword trailing_spaces
15 keyword spacing
16 keyword edited,default
17 keyword exact
18 keyword pretty
19
20 define type mode_keywords
21 keyword ascii,default
22 keyword hexadecimal
23 keyword octal
24
25 define type separated_keywords
26 keyword master,default
27 keyword revision,default
28
29 define verb differences
30 image diff
31 parameter p1,prompt='File 1',value(required,list,impcat,type=$infile),label=input1
32 parameter p2,prompt='File 2',value(type=$infile),label=input2
33 qualifier change_bar,placement=local,value(list)
34 qualifier comment_delimiters,value(list)
35 qualifier ignore,default,value(list,type=ignore_keywords)
36 qualifier line_width,value(required,type=$number)
37 qualifier match,value(required,type=$number)
38 qualifier maximum_differences,value(required,type=$number)
39 qualifier merged,value(type=$number)
40 qualifier mode,default,value(list,type=mode_keywords)
41 qualifier output,value(type=$outfile)
42 qualifier parallel,value(type=$number)
43 qualifier separated,value(list,type=separated_keywords)
44 qualifier slp
45 qualifier width,value(required,type=$number)
46 qualifier window,value(required,type=$number)
47 qualifier number,default
48
49 disallow (slp AND (merged OR parallel OR separated OR change_bar OR
50 hexadecimal OR octal OR line_width OR width OR
51 pretty OR edited OR number))
```

& SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]DIRECTORY.CLD;1 (1)

Page 1

DIRECTORY.CLD

Version: 'V04-000'

Modification history:

V03-002 LMP0276 L. Mark Pilant, 11-Jul-1984 11:43  
Make applicable qualifiers negatable. Also, remove  
the default value for the /OUTPUT qualifier as it is  
defaulted in the DIRECTORY image.

V03-001 MCN0173 Maria del C. Nasr 25-Jun-1984  
Make the /OUTPUT qualifier default to SYS\$OUTPUT, and  
negatable.

define type date\_options

keyword all, nonnegatable  
keyword created, default,nonnegatable  
keyword expired, nonnegatable  
keyword modified, nonnegatable  
keyword backup, nonnegatable

define type size\_options

keyword all, nonnegatable  
keyword allocation, nonnegatable  
keyword used, default,nonnegatable

define type width\_options

keyword display, default,value(default=0),nonnegatable  
keyword filename, default,value(default=19),nonnegatable  
keyword owner, default,value(default=20),nonnegatable  
keyword size, default,value(default=6),nonnegatable

define type sel\_size\_options

keyword minimum\_size, default,value(default=0),nonnegatable  
keyword maximum\_size, default,value(default=1073741823),nonnegatable

define type select\_options

keyword size, default,value(list,type=sel\_size\_options),nonnegatable  
keyword acl, nonnegatable

define type owner\_options

keyword identifier

define verb directory

image directory  
parameter pl,prompt='File',value(list,impcat,type=\$infile),label=INPUT  
qualifier acl  
qualifier backup  
qualifier before, value(default=TODAY,type=\$datetime)  
qualifier brief, default,nonnegatable  
qualifier by\_owner, value(type=\$ulc)  
qualifier columns, default,value(default=4)  
qualifier created  
qualifier date, value(list,type=date\_options)  
qualifier exclude, value(required,list)



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]DIRECTORY.CLD;1 (1)

57	qualifier	expired	
58	qualifier	file_id	
59	qualifier	full	
60	qualifier	grand_total	
61	qualifier	heading,	default
62	qualifier	modified	
63	qualifier	output,	default,value(type=\$file)
64	qualifier	owner,	value(type=owner_options)
65	qualifier	printer	
66	qualifier	protection	
67	qualifier	security	
68	qualifier	select,	value(required,list,type=select_options)
69	qualifier	since,	value(default=today,type=\$datetime)
70	qualifier	size,	value(list,type=size_options)
71	qualifier	total	
72	qualifier	trailing,	default
73	qualifier	versions,	value(required)
74	qualifier	width,	default,value(list,type=width_options)

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]DISMOUNT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-004 HH0004 Hai Huang 28-Feb-1984  
Add DISMOUNT CLUSTER qualifier.

V03-003 HH0003 Hai Huang 16-Feb-1983  
Add DISMOUNT ABORT qualifier.

V03-002 MCN0135 Maria del C. Nasr 31-Oct-1983  
Eliminate prefix clause, since it is not needed with  
the new CLI interface.

V03-001 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Remove the MCR DMO verb name, because the DMO command has  
become a separate CLD.  
Add a comment about the equivalent CLD for MCR.

! Don't forget the DMO.CLD file. It contains an equivalent set of  
! definitions for MCR which must also be enhanced.

define verb dismount  
image dismount  
parameter p1,prompt='Device',value(required,type=\$device),label=device  
qualifier unload,default  
qualifier unit  
qualifier abort  
qualifier cluster

\$ SET COMMAND SRC\$;ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]DUMP.CLD:1 (1)

Version: 'V04-000'

SHZ0001 Stephen H. Zalewski 12-Apr-1984  
Move all checks for conflicting qualifiers from DUMP image  
to the CLD.

define type dump\_blocks

keyword start, value(type=\$number)  
keyword end, value(type=\$number)  
keyword count, value(type=\$number)

define verb dump

parameter p1,prompt='File',value(required,type=\$infile),label=input

qualifier allocated

qualifier ascii

qualifier blocks, value(list,type=dump\_blocks)

qualifier byte

qualifier decimal

qualifier file\_header

qualifier formatted, default

qualifier header

qualifier hexadecimal

qualifier longword

qualifier number, value(type=\$number)

qualifier octal

qualifier output, value(type=\$outfile)

qualifier printer

qualifier records, value(list,type=dump\_blocks)

qualifier word

disallow any2(octal,decimal,hexadecimal)

disallow any2(byte,word,longword)

disallow records and blocks

disallow printer and output

disallow records and allocated

disallow blocks.end and blocks.count

disallow records.end and records.count

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]EDIT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-012 PCB0002 Peter George 13-Mar-1984  
Remove last vestiges of old command interface.

V03-011 RRB0012 Rowland R. Bradley 04-Jan-1984  
Disallow /NOINTERACTIVE with /DISPLAY, /CREATE, /RESP,  
/SCRIPT, /NUMBER\_KEYS and/or /PROMPTING.

V03-010 LMP0185 L. Mark Pilant, 31-Jan-1984 11:31  
Add support for the EDIT/ACL/OBJECT=type command.

V03-009 DLB0001 David Ballenger 29-Jul-1983  
Add separate syntax definition for EDIT/SLP and comment  
out qualifiers, etc. for EDIT/SOS. The EDIT/SOS definitions  
can be "permanently" removed at a later date.

V03-008 MHB0096 Mark Bramhall 28-Jul-1983  
Add EDIT/TECO.

V03-007 PCG0001 Peter George 27-Jul-1983  
Add EDIT/DPE.

V03-006 LMP0107 L. Mark Pilant, 28-Apr-1983 9:14  
Set the correct default for the /MODE qualifier

V03-005 KFH0002 Ken Henderson 26 Apr 1983  
Add /SCRIPT keywords to EDIT/FDL:  
add\_key, delete\_key, redesign => touchup

V03-004 KFH0001 Ken Henderson 14 Apr 1983  
Add qualifiers to EDIT/FDL:  
/DISPLAY/EMPHASIS/GRANULARITY  
/RESPONSES/INTERACTIVE/CREATE  
/NUMBER\_KEYS

V03-003 PCA1008 Paul C. Anagnostopoulos 25-Feb-1983  
Replace the ZZZZ qualifiers with something more reasonable,  
since the new CDU requires unique names.

V03-002 PCA1008 Paul C. Anagnostopoulos 11 Feb 1983  
Add a comment about the equivalent CLD for MCR.

V03-001 LMP0072 L. Mark Pilant, 19-Jan-1983 22:10  
Incorporate the ACL editor into the build. It is invoked  
with the EDIT/ACL DCL command.

! Don't forget the EDT.CLD file. It contains an equivalent set of  
! definitions for MCR which must also be enhanced, but only for EDT.

define type keep\_file  
keyword recovery  
keyword journal

define type mode\_types



```

57      keyword prompt      default,negatable
58
59  define type acl_objects
60      keyword file
61      keyword device
62      keyword queue
63      keyword event_cluster
64      keyword logical_name_table
65      keyword process
66      keyword global_section
67
68  define syntax acledit
69      image acledt
70      parameter p1,prompt='Object Name',value(required,type=$infile),label=input
71      qualifier journal,      default,value(type=$infile)
72      qualifier recover,      value(type=$infile)
73      qualifier keep,         value(list,type=keep_file)
74      qualifier mode,         default,value(type=mode_types)
75      qualifier object_type,   value(type=acl_objects)
76
77  define syntax teco_mung
78      parameter p1            !!!, value(type=$rest_of_line)
79
80  define syntax edit_using_teco
81      image teco
82      qualifier command,      default,value(type=$infile)
83      qualifier create,       default
84      qualifier memory,       default
85      qualifier execute,      value(required,type=$infile),syntax=teco_mung
86      parameter p1,          value(type=$infile)
87      qualifier output,       value(required,type=$outfile)
88      qualifier read_only
89
90  define syntax edit_using_dpe
91      image dpe
92      parameter p1,          label=input,prompt='File'
93                          value(required,type=$infile)
94      qualifier command,      default,value(type=$infile)
95      qualifier context,      default,value(type=$infile)
96      qualifier journal,      default,value(type=$infile)
97      qualifier output,       default,value(type=$outfile)
98      qualifier read_only
99      qualifier recover
100
101  define type script_options
102      keyword add_key
103      keyword delete_key
104      keyword indexed
105      keyword optimize
106      keyword relative
107      keyword sequential
108      keyword touchup
109
110  define type prpt_options
111      keyword brief
112      keyword full

```

```

113
114 define type disp_options
115     keyword line
116     keyword fill
117     keyword add
118     keyword init
119     keyword record
120     keyword key
121
122 define type emph_options
123     keyword flatter
124     keyword smaller
125
126 define type gran_options
127     keyword one
128     keyword two
129     keyword three
130     keyword four
131     keyword double
132     keyword 1
133     keyword 2
134     keyword 3
135     keyword 4
136
137 define type resp_options
138     keyword automatic
139     keyword manual
140
141 define syntax edf
142     image edf
143     parameter p1,label=p1,prompt='File',value(required,type=$infile)
144     qualifier output, value(required,type=$outfile)
145     qualifier analysis, value(required,type=$infile)
146     qualifier interactive, default
147     qualifier emphasis, value(required,type=emph_options)
148     qualifier granularity, value(required,type=gran_options)
149     qualifier create
150     qualifier number_keys, value(required)
151     qualifier display, value(required,type=disp_options)
152     qualifier responses, value(required,type=resp_options)
153     qualifier script, value(required,type=script_options)
154     qualifier prompting, value(required,type=prpt_options)
155     disallow (neg interactive) and (create or number_keys or
156             display or responses or script or prompting)
157
158
159
160 !SOS define syntax edit_using_sos
161 !SOS image backtrans
162
163 define type slp_audit_options
164     keyword position, value(type=$number,default=80), default
165     keyword size, value(type=$number,default=8), default
166
167 define syntax edit_using_slp
168     image backtrans

```

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VAX/VMS Command Definition Utility (V4-001) Page 4  
\_S255\$DUA28:[CLD.SRC]EDIT.CLD;1 (1)

```
169      parameter pl,          prompt='file',
170                                value(required,type=$infile),label=input
171      qualifier audit_trail,   value(list,type=slp_audit_options)
172      qualifier checksum,      value(type=$number)
173      qualifier listing,       value(type=$outfile)
174      qualifier output,        value(type=$outfile),default
175      qualifier report
176      qualifier truncate,      value(type=$number)
177      qualifier tab
178
179 define syntax sumslp
180     image sumslp
181
182 define verb edit
183     image edt
184     parameter pl,prompt='file',value(required,type=$infile),label=input
185     !SOS qualifier decide
186     !SOS qualifier exact
187     !SOS qualifier expert
188     !SOS qualifier increment, value
189     !SOS qualifier isave,     value
190     !SOS qualifier line
191     !SOS qualifier listing,    value(type=$outfile)
192     !SOS qualifier lower
193     !SOS qualifier output,     value(type=$outfile)
194     !SOS qualifier pline,      value
195     !SOS qualifier read_only
196     !SOS qualifier save,       value
197     !SOS qualifier slp,        syntax=edit_using_slp
198     !SOS qualifier sos,        syntax=edit_using_sos
199     !SOS qualifier start,      value
200     !SOS qualifier step,       value
201     !SOS qualifier header
202     !SOS qualifier sum,        syntax=sumslp
203     !SOS qualifier update,     value(list),placement=local
204     !SOS qualifier edt
205     !SOS qualifier command,    default,value(type=$infile)
206     !SOS qualifier recover
207     !SOS qualifier journal,    default,value(type=$infile)
208     !SOS qualifier $1_filler,  label=dmy1
209     !SOS qualifier $2_filler,  label=dmy2
210     !SOS qualifier bak,        default
211     !SOS qualifier num,        default
212     !SOS qualifier fdl,        syntax=edf
213     !SOS qualifier create,     default
214     !SOS qualifier acl,        syntax=acledit
215     !SOS qualifier dpe,        syntax=edit_using_dpe
216     !SOS qualifier tecu,       syntax=edit_using_teco
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255\$DUA28:[CLD.SRC]ENCRYPT.CLD;1 (1)

Title encrypt.cld Command Definition for ENCRYPT/DECRYPT  
Version 'V04-000'

Modified by:

V01-002	MSH0073	Michael S. Harvey	15-Aug-1984
	Add support for /JOB qualifier.		
V01-001	JEP0004	J. Eric Pollack	12-Aug-1983
	Revise syntax. Remove /supermode...		

Command definition for the VAX/VMS ENCRYPTION Facility

define the type for the /ALGORITHM= list

```
DEFINE TYPE algorithm_option
  KEYWORD DES,
  KEYWORD DES ECB,
  KEYWORD DES CBC, default
  KEYWORD DES CFB,
  KEYWORD DES DAC,
  KEYWORD RSA,
  KEYWORD ALC,
  KEYWORD VPA,
  KEYWORD NUL
```

Define the syntax of the facility command to define encryption keys

```
define syntax create_encrypt_key
  qualifier CREATE_KEY, default
  parameter p1, prompt='Key Name', value(required, type=$inlog)
  parameter p2, prompt='Key Value', value(required, type=$outlog)
  qualifier compress
  qualifier group
  qualifier hexadecimal, negatable, value(default=NOHEXADECIMAL)
  :3 qualifier hexadecimal, value(default=NOHEXADECIMAL)
  qualifier log
  qualifier parity
  qualifier process, default
  qualifier system
  qualifier job
  disallow any2(system, group, process, job)
  disallow hexadecimal and compress
  disallow hexadecimal and parity
```

Define the syntax of the facility command to delete encryption keys

```
define syntax eliminate_encrypt_key
  qualifier REMOVE_KEY, default
  :3 qualifier CREATE_KEY, negatable, value(default='NOCREATE_KEY')
```



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]ENCRYPT.CLD;1 (1)

```
57     qualifier CREATE_KEY,value(default='NOCREATE_KEY')
58     parameter p1,prompt='Key Name',value(required,type=$inlog)
59     qualifier system
60     qualifier group
61     qualifier job
62     qualifier process,default
63     qualifier log
64     disallow any2(system,group,process,job)
65
66     Define the syntax of the facility command to test the encryption interfaces
67
68     DEFINE SYNTAX syntax_test
69     QUALIFIER TEST_FACILITY,default
70     !3     qualifier CREATE_KEY,negatable,value(default='NOCREATE_KEY')
71     !3     qualifier REMOVE_KEY,negatable,value(default='NOREMOVE_KEY')
72     qualifier CREATE_KEY,value(default='NOCREATE_KEY')
73     qualifier REMOVE_KEY,value(default='NOREMOVE_KEY')
74     QUALIFIER algorithm,VALUE(LIST,
75         TYPE=algorithm_option)
76     QUALIFIER input, DEFAULT, VALUE(DEFAULT='SYS$INPUT',TYPE=$INFILE)
77     QUALIFIER log
78     QUALIFIER output, DEFAULT, VALUE(DEFAULT='SYS$OUTPUT',TYPE=$OUTFILE)
79     QUALIFIER select, VALUE(LIST,DEFAULT='QUICK')
80     NOPARAMETERS
81
82     Define the root commands
83
84     DEFINE VERB ENCRYPT
85     IMAGE encryptfac
86     QUALIFIER CREATE_KEY,SYNTAX = create_encrypt_key
87     QUALIFIER REMOVE_KEY,SYNTAX = eliminate_encrypt_key
88     QUALIFIER TEST_FACILITY,SYNTAX = syntax_test
89     QUALIFIER log
90     PARAMETER P1,
91         LABEL=INPUT,
92         PROMPT='Input File(s)',
93         VALUE(REQUIRED,LIST)
94     PARAMETER P2,
95         LABEL=KEY,
96         PROMPT='Key Name',
97         VALUE(REQUIRED,TYPE=$INLOG)
98     QUALIFIER algorithm,
99         VALUE(LIST,TYPE=algorithm_option)
100    QUALIFIER delete
101    QUALIFIER erase
102    QUALIFIER output,
103        DEFAULT,
104        VALUE(TYPE=$OUTFILE)
105    QUALIFIER statistics
106    qualifier confirm
107    qualifier exclude,value(list)
108    qualifier before,value(default=today)
109    qualifier since,value(default=today)
110    qualifier by_owner,value(type=$uic)
111
112    DEFINE VERB DECRYPT
```

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]ENCRYPT.CLD:1 (1)

```
113 IMAGE encryptac
114 PARAMETER P1,
115     LABEL=INPUT,
116     PROMPT="Input File(s)",
117     VALUE(REQUIRED,LIST)
118 PARAMETER P2,
119     LABEL=KEY,
120     PROMPT="Key Name",
121     VALUE(REQUIRED,TYPE=$INLOG)
122 QUALIFIER algorithm,
123     VALUE(LIST,TYPE=algorithm_option)
124 QUALIFIER delete
125 QUALIFIER erase
126 QUALIFIER log
127 QUALIFIER output,
128     DEFAULT,
129     VALUE(TYPE=$OUTFILE)
130 QUALIFIER statistics
131 qualifier confirm
132 qualifier exclude,value(list)
133 qualifier before,value(default=today)
134 qualifier since,value(default=today)
135 qualifier by_owner,value(type=$uic)
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

16-SEP-1984 04:00  
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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]EXCHANGE.CLD;1 (1)

Page 1

MODULE exchange

Version: 'V04-000'

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DEFINE VERB exchange

IMAGE exchange

PARAMETER P1, LABEL=command, VALUE(TYPE=\$REST\_OF\_LINE)

QUALIFIER cache  
QUALIFIER message DEFAULT

\$ SET COMMAND SRC\$=ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]HELP.CLD;1 (1)

Version: 'V04-000'

V03-002 MCN0173 Maria del C. Nasr 25-Jun-1984  
Make /OUTPUT qualifier default to SYSSOUTPUT

V03-001 PCG0001 Peter George 11-Apr-1984  
Add DISALLOW statements.

DEFINE TYPE scope\_keywords

KEYWORD ALL,default  
KEYWORD NONE  
KEYWORD PROCESS  
KEYWORD GROUP  
KEYWORD SYSTEM

DEFINE VERB HELP

IMAGE VMSHELP  
PARAMETER

P1,label=keywords,  
value(type=\$rest\_of\_line)  
PROMPT,default  
PAGE,default  
INSTRUCTIONS,default  
OUTPUT,default  
value(type=\$file,default='SYSSOUTPUT')  
LIBRARY,default,  
value(type=\$infile,default='HELPLIB')  
LIBLIST,default  
USERLIBRARY,default,negatable,  
value(type=scope\_keywords,list)

DISALLOW (ALL and NONE)  
DISALLOW (ALL or NONE) and (PROCESS or GROUP or SYSTEM)

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]INIT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-016 JAK0227 J A Krycka 17-Aug-1984  
Disallow certain printer queue specific qualifiers to be used  
with /BATCH and /GENERIC.

V03-015 JAK0226 J A Krycka 16-Aug-1984  
Omit "list" as an attribute for the /OWNER\_UID qualifier.

V03-014 JAK0220 J A Krycka 12-Jul-1984  
Add [NO]FEED option to the /DEFAULT qualifier.

V03-013 MCN0174 Maria del C. Nasr 09-Jul-1984  
Make qualifiers negatable to follow the standard rule.

V03-012 PCG0001 Peter George 20-Feb-1984  
Modify behavior of INIT/QUEUE/BLOCK.

V03-011 MCN0144 Maria del C. Nasr 19-Jan-1984  
Fix image name for INITIALIZE.

V03-010 MCN0140 Maria del C. Nasr 23-Nov-1983  
Change to new CLI interface for INIT image.

V03-009 MLJ0009 Martin L. Jack 29-Jul-1983  
Add /LIBRARY and /SCHEDULE.

V03-008 MAJ0002 Melanie Johnson 22-Jun-1983  
Put mcrignore flag on the init/queue qualifiers.

V03-007 MLJ0007 Martin L. Jack 27-May-1983  
Changes for new QUEMAN image.

V03-006 MLJ0006 Martin L. Jack 27-Apr-1983  
Changes for new QUEMAN image.

V03-005 STJ3087 Steven Jeffreys 24-Apr-1983  
Added /[NO]ERASE and /[NO]HIGHWATER.

V03-004 MMD0076 Meg Dumont 08-Apr-1983  
Added support for new qualifiers on /LABEL and /OVERRIDE and  
added the /INTERCHANGE qualifier

V03-003 MLJ0002 Martin L. Jack 03-Jan-1982  
Changes for new QUEMAN image.

V03-001 MAJ0001 Melanie Johnson 07-Oct-1982  
Put mcrignore flag into cliflags construct.

define type print\_bft  
keyword all,default  
keyword one

define type defaults  
keyword burst,negatable,value(type=print\_bft)

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]INIT.CLD;1 (1)

```
57 keyword feed,negatable
58 keyword flag,negatable,value(type=print_bft)
59 keyword trailer,negatable,value(type=print_bft)
60
61 define type retain
62     keyword all,default
63     keyword error
64
65 define type schedule
66     keyword size,negatable
67
68 define type separate
69     keyword burst,negatable
70     keyword flag,negatable
71     keyword reset,negatable,value(required,list)
72     keyword trailer,negatable
73
74 define type protection
75     keyword system,value
76     keyword group,value
77     keyword owner,value
78     keyword world,value
79
80 define type init_overrides
81     keyword expiration
82     keyword accessibility
83     keyword owner_identifier
84
85 define type datacheck_options
86     keyword read
87     keyword write
88
89 define type index_position
90     keyword beginning
91     keyword middle
92     keyword end
93     keyword block,value(required)
94
95 define type ansi
96     keyword volume_accessibility,value(required)
97     keyword owner_identifier,value(required,type=$infile)
98
99 define syntax init_queue
100     image queman
101     parameter p1,prompt='Queue',value(required)
102
103 define verb initialize
104     image init
105     parameter p1,prompt='Device',value(required,type=$device),label=device
106     parameter p2,prompt='Label',value(required),label=volume
107     qualifier accessed,value(required,type=$number)
108     qualifier badblocks,value(required,list)
109     qualifier base_priority,value(required),cliflags(mcrignore),syntax=init_queue
110     qualifier batch,cliflags(mcrignore),syntax=init_queue
111     qualifier block_limit,value(list),cliflags(mcrignore),syntax=init_queue
112     qualifier characteristics,cliflags(mcrignore),syntax=init_queue,value(required,list)
```

```

113 qualifier cluster_size, value(required,type=$number)
114 qualifier cpudefault, value(required),cliflags(mcrignore),syntax=init_queue
115 qualifier cpumaximum, value(required),cliflags(mcrignore),syntax=init_queue
116 qualifier data_check, value(list,type=data:check_options)
117 qualifier default, value(required,list,type=defaults),cliflags(mcrignore),syntax=init_queue
118 qualifier density, value(required)
119 qualifier directories, value(required,type=$number)
120 qualifier disable_swapping,cliflags(mcrignore),syntax=init_queue
121 qualifier enable_generic,cliflags(mcrignore),syntax=init_queue
122 qualifier erase
123 qualifier extension, value(required,type=$number)
124 qualifier file_protection,value(required,list,type=protection)
125 qualifier form, value(required),cliflags(mcrignore),syntax=init_queue
126 qualifier generic, value(list),cliflags(mcrignore),syntax=init_queue
127 qualifier group
128 qualifier headers, value(required,type=$number)
129 qualifier highwater, default
130 qualifier index, value(required,type=index_position)
131 qualifier interchange
132 qualifier job_limit, value(required),cliflags(mcrignore),syntax=init_queue
133 qualifier label, value(required,list,type=ansi)
134 qualifier library, value(required),cliflags(mcrignore),syntax=init_queue
135 qualifier maximum_files,value(required,type=$number)
136 qualifier on, value(type=$infile,required),cliflags(mcrignore),syntax=init_queue
137 qualifier override, value(required,list,type=init_overrides)
138 qualifier owner_uic, value(required,type=$uic)
139 qualifier processor, value(required),cliflags(mcrignore),syntax=init_queue
140 qualifier protection, value(required,list,type=protection)
141 qualifier queue, cliflags(mcrignore),syntax=init_queue
142 qualifier retain, value(type=retain),cliflags(mcrignore),syntax=init_queue
143 qualifier schedule, value(required,list,type=schedule),cliflags(mcrignore),syntax=init_queue
144 qualifier separate, value(required,list,type=separate),cliflags(mcrignore),syntax=init_queue
145 qualifier share, default
146 qualifier start, cliflags(mcrignore),syntax=init_queue
147 qualifier structure, value(required,type=$number)
148 qualifier system
149 qualifier terminal, cliflags(mcrignore),syntax=init_queue
150 qualifier user_name, value(required)
151 qualifier verified, default
152 qualifier windows, value(required,type=$number)
153 qualifier wsdefault, value(required),cliflags(mcrignore),syntax=init_queue
154 qualifier wsextent, value(required),cliflags(mcrignore),syntax=init_queue
155 qualifier wsquota, value(required),cliflags(mcrignore),syntax=init_queue
156 disallow group and system
157 disallow default and (batch or generic)
158 disallow separate and (batch or generic)
159 disallow form and (batch or generic)

```

\$ SET COMMAND SRC\$;ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

Version: 'V04-000'

V03-008 GJA0092 Greg Awdziejewicz 25-Jul-1984  
- Reverse the nonnegatable mistake. Only qualifiers  
which require values should be nonnegatable.

V03-007 MCN0143 Maria del C. Nasr 29-Jun-1984  
Make nonnegatable, qualifiers that should be so. Add  
the /DATA qualifier with keywords EXPAND and COMPRESS  
to do the data reduction work. Eliminate REDUCE  
option from /COMPRESS.

V03-006 JWT0124 Jim Teague 16-Jun-1983  
/EXTRACT requires a value; /ONLY doesn't necessarily  
need /LIST.

V03-005 JWT0120 Jim Teague 18-May-1983  
Remove some disallow clauses.

V03-004 JWT0103 Jim Teague 06-Apr-1983  
Mutual exclusion final touches to new cli interface.  
Remove prefixes and outputs; squeeze becomes default  
as stated by documentation.

V03-003 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Merge the outputs list for DCL and MCR, because the CDU no  
longer supports different lists.

V03-002 JWT0060 Jim Teague 20-Oct-1982  
Need to rearrange the new reduce keyword.

V03-001 JWT0056 Jim Teague 19-Oct-1982  
Add REDUCE keyword to /COMPRESS qualifier.

define syntax library\_only  
parameter p1,prompt='Library',value(required,type=\$infile)

define syntax optional\_files  
parameter p1,prompt='Library',value(required,type=\$infile)  
parameter p2,prompt='File',value(list,impcat,type=\$infile)

define syntax library\_using\_lbr  
image backtrans

define type create\_options  
keyword blocks, value(required)  
keyword globals, value(required)  
keyword modules, value(required)  
keyword keysize, value(required)  
keyword history, value(required)  
keyword version, value(required)

define type compress\_options



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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]LIBRARIAN.CLD;1 (1)

Page 2

```
57 keyword blocks, value(required)
58 keyword globals, value(required)
59 keyword modules, value(required)
60 keyword keysize, value(required)
61 keyword history, value(required)
62 keyword version, value(required)
63 keyword keep
64
65 define type cross_options
66 keyword all
67 keyword module
68 keyword none
69 keyword symbol
70 keyword value
71
72 define type data_options
73 keyword reduce
74 keyword expand
75
76 define verb library
77 image librarian
78 parameter p1,prompt='Library',value(required,type=$infile)
79 parameter p2,prompt='File',value(required,list,impcat,type=$infile)
80 qualifier compress, value(list,type=compress_options),
81 syntax=library_only
82 qualifier create, value(list,type=create_options),
83 syntax=optional_files
84 qualifier data, value(required,type=data_options),
85 syntax=library_only,nonnegatable
86 qualifier delete, value(required,list),
87 syntax=optional_files,nonnegatable
88 qualifier extract, value(required,list),
89 syntax=library_only,nonnegatable
90 qualifier insert
91 qualifier list, value(type=$outfile),
92 syntax=optional_files
93 qualifier remove, value(required,list),
94 syntax=optional_files,nonnegatable
95
96 qualifier replace
97 qualifier macro
98 qualifier object
99 qualifier output, value(type=$outfile),default
100 qualifier names
101 qualifier full
102 qualifier globals, default
103 qualifier rx11, syntax=library_using_lbr
104 qualifier selective_search
105 qualifier squeeze, default
106 qualifier log
107 qualifier width, value(required),nonnegatable
108 qualifier cross_reference,value(list,type=cross_options),
109 syntax=library_only
110 qualifier only, value(required,list)
111 qualifier help
112 qualifier text
113 qualifier modules, value(required,list),placement=local
```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]LIBRARIAN.CLD;1 (1)

Page 3

```
113 qualifier share
114 qualifier history
115 qualifier before, value(default=today, type=$datetime)
116 qualifier since, value(default=today, type=$datetime)
117 disallow ( extract and ( compress or create or delete or insert or
118 list or remove or replace or names or
119 full or globals or selective_search or
120 squeeze or cross_reference or width ) )
121 disallow ( compress and create )
122 disallow ( cross_reference and ( list or macro or help or text or
123 before or since or history ) )
124 disallow ( any2 ( help , share , text , macro , object ) )
125 disallow ( ( full or names or history or before or since )
126 and not list )
127 disallow ( ( remove or names or globals ) and
128 ( text or help or macro ) )
129
```

\$ SET COMMAND SRC\$::ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]LINK.CLD;1 (1)

Version: 'V04-000'

V03-004 ADE0001 Alan D. Eldridge 12-Apr-1984  
Make /MAP, /EXE, and /SYM positional  
V03-003 JWT0114 Jim Teague 27-Apr-1983  
Remove prefixes and outputs; map is un-defaulted.  
V03-002 JWT0099 Jim Teague 06-Apr-1983  
Do mutual exclusion stuff to go along with  
new interface in Linker.  
V03-001 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Merge the outputs list for DCL and MCR, as the CDU no  
longer supports separate lists.

define syntax link\_using\_tkb  
image backtrans

define verb link  
image link  
parameter p1,prompt='File',value(required,list,impcat,type=\$infile)  
qualifier brief  
qualifier cross\_reference  
qualifier debug, value(type=\$infile)  
qualifier executable, value(type=\$outfile),placement=positional,default  
qualifier include, value(required,list),placement=local  
qualifier library, placement=local  
qualifier shareable, value(type=\$outfile)  
qualifier contiguous  
qualifier map, value(type=\$outfile),placement=positional,batch  
qualifier options, placement=local  
qualifier selective\_search,placement=local  
qualifier symbol\_table, value(type=\$outfile),placement=positional  
qualifier syslib, default  
qualifier system, value  
qualifier suppress, default,value(default='SYSLIB,DEBUG,WEAK') ! && whats this?  
qualifier rx1!, syntax=link\_using\_tkb  
qualifier full  
qualifier concatenated, placement=local,syntax=link\_using\_tkb  
qualifier default\_library,value(required,type=\$infile),  
syntax=link\_using\_tkb  
qualifier exit, value(default=1),syntax=link\_using\_tkb  
qualifier header  
qualifier overlay\_description,syntax=link\_using\_tkb  
qualifier position\_independent,syntax=link\_using\_tkb  
qualifier sequential, syntax=link\_using\_tkb  
qualifier trace, default  
qualifier tkb\_options, value(type=\$infile),syntax=link\_using\_tkb  
qualifier post\_mortem, syntax=link\_using\_tkb  
qualifier sysshr, default  
qualifier userlibrary, default,value(list)  
qualifier p0image  
qualifier protect  
disallow ( ( full or brief or cross\_reference ) and not map )

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]LINK.CLD;1 (1)

57 disallow ( any2 ( system , debug , shareable ) )  
58 disallow ( protect and system )  
59 disallow ( p0image and ( shareable or system ) )  
60 disallow ( header and shareable )  
61 disallow ( brief and ( cross\_reference or full ) )

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]MACRO.CLD;1 (1)

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V03-010 RRB0022 Rowland R. Bradley 21-Jun-1984  
Remove nonnegatable from /DISABLE, /ENABLE, /UPDATE  
and /LIBRARY.

V03-009 PCG0001 Peter George 13-Mar-1984  
Remove last vestiges of old command interface.  
Remove DEFAULT clause from /SHOW qualifier.

V03-008 RRB0015 Rowland R. Bradley 24-Feb-1984  
Remove default settings for /DISABLE and /ENABLE since  
these override any switches set by the user w/ .ENABLE  
or .DISABLE. Defaults must be set in MACRO.EXE.

V03-007 RRB0014 Rowland R. Bradley 23-Feb-1984  
Remove disallow of /LIB and /UPDATE. This must be  
handled by the program since context(position) is  
important.

V03-006 RRB0010 Rowland R. Bradley 25-Jan-1984  
Set correct defaults for /DISABLE, /ENABLE, /SHOW, /LIST,  
and /CROSS\_REFERENCE. Inserted "nonnegatable" where apropos.

V03-005 MTR0003 Mike Rhodes 7-Apr-1983  
Correct the default keyword specification for /DEBUG.

V03-004 MTR0002 Mike Rhodes 28-Mar-1983  
Modify the OBJECT and LISTING qualifiers to make them positional

V03-003 MTR0001 Mike Rhodes 24-Mar-1983  
Modify the NOSHOW qualifier to accept a list of show keywords.  
(This is done because negated qualifiers can't have keywords.)

V03-002 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Merge the outputs list for DCL and MCR, as the new CDU does not  
support separate lists.

V03-001 MTR0001 Mike Rhodes 9-Feb-1983  
Add 'label' field to parameter specification.

define type enable\_options

keyword ama  
keyword dbg  
keyword fpt  
keyword gbl  
keyword lsb  
keyword tbk  
keyword absolute  
keyword debug  
keyword truncation  
keyword global  
keyword suppression  
keyword traceback

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]MACRO.CLD;1 (1)

```
57 define type show_options
58     keyword cnd,default
59     keyword mc,default
60     keyword md,default
61     keyword me
62     keyword meb
63     keyword conditionals
64     keyword calls
65     keyword definitions
66     keyword expansions
67     keyword binary
68
69 define type crf_options
70     keyword all
71     keyword directives
72     keyword macros,default
73     keyword opcodes
74     keyword registers
75     keyword symbols,default
76
77 define type debug_options
78     keyword all,default
79     keyword none
80     keyword symbols
81     keyword traceback
82
83 define syntax macro_using_mac
84     image backtrans
85
86 define verb macro
87     image macro32
88     parameter p1,label=file,
89         prompt="File",value(required,list,type=$infile)
90     qualifier disable,
91         value(required,list,
92             type=enable_options)
93     qualifier enable,
94         value(required,list,
95             type=enable_options)
96     qualifier library,
97         placement=local
98     qualifier listing,
99         placement=positional,
100        value(type=$outfile),batch
101     qualifier object,
102         placement=positional,
103        value(type=$outfile),default
104     qualifier show,
105        value(list,type=show_options)
106     qualifier rx1f,
107        syntax=macro_using_mac
108     qualifier noshow,
109        value(list,type=show_options)
110     qualifier cross_reference,
111        value(list,type=crf_options)
112     qualifier update,
113        value(list),placement=local
114     qualifier debug,
115        value(list,type=debug_options)
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]MAIL.CLD;1 (1)

8 SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]MESSAGE.CLD;1 (1)

MESSAGE.CLD -- Command Language Definition file for the MESSAGE compiler.

Version: 'V04-000'

V03-002 GJA0061 Greg Audziewicz 9-Jan-1984  
- Remove the pseudo qualifier /noObject now that the negatable operator is allowed in the Disallow clause.

V03-001 GJA0054 Greg Audziewicz 1-Dec-1983  
- Make changes for the new CLI interface and fix the behavior to be consistent with the Command Language User's Guide rules and to enforce the restrictions on mutually exclusive qualifiers.  
- Change qualifiers /Listing & /File to /List & /File name to agree with documentation and to be consistent with other compilers.

Define	Verb	Message
Image		Message
Parameter	P1	! The only parameter is the
	Prompt='File'	! source file of messages.
	Value (required, list, type=\$FILE)	
Qualifier	FILE_NAME	! An object file of previously compiled messages.
	Value (required, type=\$FILE)	
Qualifier	LIST	
	Batch	! Defaulted for batch only.
	Placement=positional	
	Value (type=\$FILE)	
Qualifier	MDL	! (for DEC internal use -- not documented)
	Placement=positional	
	Value (type=\$FILE)	
Qualifier	SDL	! (for DEC internal use -- not documented)
	Placement=positional	
	Value (type=\$FILE)	
Qualifier	OBJECT	
	Default	
	Placement=positional	
	Value (type=\$FILE)	
Qualifier	SYMBOLS	
	Default	
Qualifier	TEXT	
	Default	
Disallow	File name and Text	
Disallow	Neg Object and (File_name or Symbols or Text)	

\$ SET COMMAND SRC\$ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]MONITOR.CLD;1 (1)

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Version: 'V04-000'

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MODIFIED BY:

V03-004	PRS1011	Paul R. Senn	29-Feb-1984	14:00
	add /FLUSH_INTERVAL qualifier			
V03-003	TLC1052	Thomas L. Cafarella	17-Feb-1984	11:00
	Add /BY_NODE qualifier and change /INPUT to accept a list (in support of multi-file summary capability).			
V03-002	TLC1042	Thomas L. Cafarella	19-Jun-1983	15:00
	Add /ITEM qualifier for homogeneous classes.			
V03-001	TLC1028	Thomas L. Cafarella	14-Apr-1983	16:00
	Modify for interactive user interface.			

```
define      verb      MONITOR
image      MONITOR
parameter  P1,        label=CLASS NAME,
qualifier  BEGINNING, value (list)
qualifier  ENDING,    nonnegatable,
qualifier  INTERVAL,  value
qualifier  FLUSH_INTERVAL, nonnegatable,
```

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]MONITOR.CLD;1 (1)

57		value
58	qualifier VIEWING_TIME,	nonnegatable,
59		value
60	qualifier INPUT,	value (list)
61	qualifier DISPLAY,	value, default
62	qualifier RECORD,	value
63	qualifier SUMMARY,	value
64	qualifier COMMENT,	value
65	qualifier BY_NODE	
66		
67	qualifier ALL,	nonnegatable, placement=local
68	qualifier CURRENT,	nonnegatable, placement=local
69	qualifier AVERAGE,	nonnegatable, placement=local
70	qualifier MINIMUM,	nonnegatable, placement=local
71	qualifier MAXIMUM,	nonnegatable, placement=local
72		
73	qualifier TOPCPU,	nonnegatable, placement=local
74	qualifier TOPDIO,	nonnegatable, placement=local
75	qualifier TOPBIO,	nonnegatable, placement=local
76	qualifier TOPFAULT,	nonnegatable, placement=local
77		
78	qualifier CPU,	placement=local
79		
80	qualifier PERCENT,	placement=local
81		
82	qualifier ITEM,	nonnegatable, placement=local
83		value (list)

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]MOUNT.CLD;1 (1)

Version: 'V04-000'

V03-007 DAS0002 David Solomon 09-Jul-1984  
Add /[NO]REBUILD.  
V03-006 HH0028 Hai Huang 27-Jun-1984  
Make appropriate qualifiers negatable.  
V03-005 HH0004 Hai Huang 09-Mar-1984  
Add /CLUSTER qualifier.  
V03-004 WMC0001 Wayne Cardoza 16-Jan-1984  
Remove all journaling keywords.  
V03-003 DAS0001 David Solomon 29-Nov-1983  
Add RECORD\_SIZE keyword for /JOURNAL qualifier.  
V03-002 MCN0138 Maria del C. Nasr 12-Jul-1983  
Make changes for new CLI interface. Take out prefix  
clause, which is no longer needed. Add disallow clauses  
for qualifiers that cannot go together.  
V03-001 MMD0056 Meg Dumont 28-Mar-1983  
Changed /OVERRIDE to inc OWNER\_IDENTIFIER, added /AUTO and /INIT

define type cache\_options  
keyword extent, value(required,type=\$number),negatable  
keyword file\_id, value(required,type=\$number),negatable  
keyword limit, value(required,type=\$number)  
keyword quota, value(required,type=\$number),negatable  
keyword writethrough

define type datacheck\_options  
keyword read  
keyword write

define type initialize\_options  
keyword all  
keyword continuation

! \*\*JNL\*\* define type journal\_options  
! \*\*JNL\*\* keyword newfile  
! \*\*JNL\*\* keyword size, value(required,type=\$number)  
! \*\*JNL\*\* keyword extension, value(required,type=\$number)  
! \*\*JNL\*\* keyword quota, value(required,type=\$number)  
! \*\*JNL\*\* keyword RECORD\_SIZE, value(required,type=\$number)

define type mount\_overrides  
keyword accessibility  
keyword expiration  
keyword identification, syntax=mount\_wo\_label  
keyword setid  
keyword lock  
keyword owner\_identifier

```

57
58 define type protection
59     keyword system,value
60     keyword group,value
61     keyword owner,value
62     keyword world,value
63
64 define syntax mount_wo_label
65     parameter p1,prompt='Device',value(required,list,type=$device),label=devices
66     parameter p2,prompt='Label',value(list),label=volumes
67     parameter p3,prompt='Log name',value(type=$outlog),label=lognames
68     disallow (<mount>foreign or <mount>nolabel) and (<mount>accessed or
69                                     <mount>automatic or
70                                     <mount>bind or
71                                     <mount>cache or
72                                     <mount>extension or
73                                     <mount>hdr3 or
74                                     <mount>initialize or
75                                     <mount>label or
76                                     <mount>processor or
77                                     <mount>quota or
78                                     <mount>rebuild or
79                                     <mount>windows)
80     disallow (<mount>group or <mount>system) and <mount>share
81     disallow <mount>system and <mount>group
82
83 define verb mount
84     image vmount
85     parameter p1,prompt='Device',value(required,list,type=$device),label=devices
86     parameter p2,prompt='Label',value(required,list),label=volumes
87     parameter p3,prompt='Log name',value(type=$outlog),label=lognames
88     qualifier accessed,    value(required,type=$number)
89     qualifier assist      default
90     qualifier automatic   default
91     qualifier bind        value(required)
92     qualifier blocksize,  value(required,type=$number)
93     qualifier cache,      value(required,list,type=cache_options)
94     qualifier cluster
95     qualifier comment,    value(required)
96     qualifier data_check, value(list,type=datacheck_options)
97     qualifier density,    value(required,type=$number)
98     qualifier extension,  value(required,type=$number)
99     qualifier foreign,    syntax=mount_wo_label,nonnegatable
100    qualifier group
101    qualifier hdr3        default
102    qualifier initialize  value(required,type=initialize_options)
103    **JNL**    qualifier journal    value(list,type=journal_options)
104
105    Due to some constraints in DCL and CLI parsing, the NOLABEL qualifier must
106    be defined explicitly in this CLD, and cannot be specified as the negation
107    of LABEL. In that way we can use a different syntax for each one, and
108    also take advantage of the disallow clause.
109
110    qualifier label,      default,nonnegatable
111    qualifier nolabel,    nonnegatable,syntax=mount_wo_label
112    qualifier message     default

```



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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]MOUNT.CLD;1 (1)

```
113      qualifier mount_verification      default
114      qualifier override,              value(required,list,type=mount_overrides)
115      qualifier owner_uic,              value(required,type=$uic)
116      qualifier processor,              value(required)
117      qualifier protection,             value(required,list,type=protection)
118      qualifier quota,                  default
119      qualifier rebuild,                 default
120      qualifier recordsize,             value(required,type=$number)
121      qualifier share
122      qualifier system
123      qualifier unload,                  default
124      qualifier windows,                 value(required,type=$number)
125      qualifier write,                   default
126      disallow (group or system) and share
127      disallow label and nolabel
128      disallow system and group
129
130
131      : The following qualifiers have been commented out, since they were never
132      : implemented. They are not being coded with the new CLI interface, but
133      : are included here for historical purposes.
134      :
135      :      qualifier drive,              value(required),
136      :      placement=positional
137      :      qualifier ebclic,              value(required,list)
138      :      qualifier interchange
139      :      qualifier user,                value(required,type=$uic)
140      :      qualifier visual,              value(required)
```

\$ SET COMMAND SRC\$=ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]PATCH.CLD;1 (1)

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26  
Version: 'V04-000'

V03-004 MCN0180 Maria del C. Nasr 11-Jul-1984  
Make qualifiers negatable.

V03-003 PCG0001 Peter George 13-Mar-1984  
Remove OUTPUTS statement.

V03-002 MTR0025 Mike Rhodes 9-Aug-1983  
Add /ABSOLUTE qualifier, to allow patching non-image  
files (eg. ISAM) at absolute (virtual) addresses.

V03-001 MTR0001 Mike Rhodes 9-Feb-1983  
Add 'label' field to parameter specification.

define verb patch

image patch

parameter p1,label=file,prompt='File',value(required,type=\$infile)

qualifier absolute

qualifier command, value(type=\$outfile)

qualifier journal, value(type=\$outfile),default

qualifier new\_version, default

qualifier output, value(type=\$outfile),default

qualifier update, value(required,list)

qualifier volume, value

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]PHONE.CLD;1 (1)

```
1  |
2  |
3  |
4  |
5  | define verb PHONE
6  |     image phone
7  |     parameter p1,label=token1,prompt='Command Token 1:'
8  |     parameter p2,label=token2,prompt='Command Token 2:'
9  |     parameter p3,label=token3,prompt='Command Token 3:'
10 |     parameter p4,label=token4,prompt='Command Token 4:'
11 |     qualifier SWITCH_HOOK,default,nonnegatable,value(default='X')
12 |     qualifier VIEWPORT_SIZE,default,nonnegatable,value(default='10')
13 |     qualifier SCROLL,default
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255\$DUA28:[CLD.SRC]RENAME.CLD;1 (1)

```
1  |
2  |
3  |
4  |
5  | define verb rename
6  |     image rename
7  |     parameter p1,prompt='From',value(required,list,impcat,type=$infile)
8  |     parameter p2,prompt='To',value(required,type=$outfile)
9  |     qualifier new_version, default
10 |     qualifier before, value(default=today,type=$datetime)
11 |     qualifier since, value(default=today,type=$datetime)
12 |     qualifier created
13 |     qualifier modified
14 |     qualifier expired
15 |     qualifier backup
16 |     qualifier exclude, value(required,list)
17 |     qualifier by_owner, value(type=$uic)
18 |     qualifier confirm
19 |     qualifier log
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]REPLY.CLD;1 (1)

```
1  :: Version: 'V04-000'
2  ::
3  ::
4  ::
5  define verb reply
6  image reply
7  parameter p1,prompt="Text"
8
9  qualifier abort          value(required,type=$number)
10 qualifier all
11 qualifier bell
12 qualifier blank_tape     value(required,type=$number)
13 qualifier disable        value(list)
14 qualifier enable         value(list)
15 qualifier initialize_tape value(required,type=$number)
16 qualifier log
17 qualifier node           value(list)
18 qualifier notify         default
19 qualifier pending        value(required,type=$number)
20 qualifier shutdown
21 qualifier status
22 qualifier temporary
23 qualifier terminal       value(list,required)
24 qualifier to             value(required,type=$number)
25 qualifier urgent
26 qualifier username       value(list)
27 qualifier wait
28
29 disallow (any2 (abort, all, blank_tape, disable, enable, initialize_tape,
30                log, pending, status, terminal, to, username))
31 disallow (any2 (bell,
32                abort, blank_tape, disable, enable, initialize_tape,
33                log, pending, status, to))
34 disallow (any2 (notify,
35                abort, blank_tape, disable, enable, initialize_tape,
36                log, pending, status, to))
37 disallow (any2 (shutdown,
38                abort, blank_tape, disable, enable, initialize_tape,
39                log, pending, status, to))
40 disallow (any2 (urgent,
41                abort, blank_tape, disable, enable, initialize_tape,
42                log, pending, status, to))
43 disallow (any2 (wait,
44                abort, blank_tape, disable, enable, initialize_tape,
45                log, pending, status, to))
46 disallow (shutdown and urgent)
47 disallow (temporary and not enable)
48
49 define verb request
50 image request
51 parameter p1,prompt="Text"
52 qualifier reply
53 qualifier to             value(required,list)
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]RUN.CLD;1 (1)

Version: 'V04-000'

V03-014 MCN0179 Maria del C. Nasr 9-Jul-1984  
Make /NOAUTHORIZE the default for RUNDET.

V03-013 WMC0007 Wayne Cardoza 16-Jan-1983  
Remove all CHKPNT stuff.

V03-012 WMC0006 Wayne Cardoza 14-Nov-1983  
New qualifier for .CHK file name.

V03-011 TMK0001 Todd M. Katz 13-Nov-1983  
Add the qualifier job\_table\_quota to the run verb. This  
qualifier can be used to specify the job-wide logical  
name table creation quota when creating a detached  
process.

V03-010 WMC0005 Wayne Cardoza 10-Nov-1983  
Allow checkpoint file name to be specified.

V03-009 WMC0004 Wayne Cardoza 28-Jul-1983  
New checkpoint qualifier /WAIT

V03-008 MTR0002 Mike Rhodes 12-Jul-1983  
Change /DELAY, /INTERVAL and /TIME\_LIMIT qualifier  
values to use the new '\$deltatime' token identifier.  
Correct the /PROCESS qualifiers to /PROCESS\_NAME.

V03-007 WMC0003 Wayne Cardoza 21-Jun-983  
Allow /DEBUG on RUN/CHECK

V03-006 RSH0026 R. Scott Hanna 24-May-1983  
Add SECURITY privilege

V03-005 MTR0001 Mike Rhodes 23-May-1983  
Add SHARE privilege keyword.

V03-004 PRB0175 Paul Beck 26-APR-1983 21:31:36  
Add TMPJNL and PRMJNL

V03-003 WMC0002 Wayne Cardoza 14-Apr-1983  
Parameter is /DETACHED

V03-002 WMC0001 Wayne Cardoza 13-Apr-1983  
/DETACH, /DUMP qualifiers

V03-001 PCG0001 Peter George 13-Apr-1983  
Create RUN.CLD.

define type privileges

keyword acct,negatable  
keyword allspool,negatable  
keyword altpri,negatable  
keyword bugchk,negatable  
keyword bypass,negatable

```

57 keyword cmexec,negatable
58 keyword cmkrnl,negatable
59 keyword detach,negatable
60 keyword diagnose,negatable
61 keyword exquota,negatable
62 keyword group,negatable
63 keyword grpnam,negatable
64 keyword log_io,negatable
65 keyword mount,negatable
66 keyword netmbx,negatable
67 keyword oper,negatable
68 keyword pfnmap,negatable
69 keyword phy_io,negatable
70 keyword prmceb,negatable
71 keyword prmgrbl,negatable
72 keyword prmjnl,negatable
73 keyword prmbx,negatable
74 keyword pswapm,negatable
75 keyword same,negatable
76 keyword security,negatable
77 keyword setprv,negatable
78 keyword share,negatable
79 keyword shmem,negatable
80 keyword syslck,negatable
81 keyword sysgbl,negatable
82 keyword sysnam,negatable
83 keyword sysprv,negatable
84 keyword tmpjnl,negatable
85 keyword tmpmbx,negatable
86 keyword volpro,negatable
87 keyword world,negatable
88
89 !**JNL** define syntax run_checkpoint
90 !**JNL** image chkpntcmd
91 !**JNL** parameter pl,prompt='File',value(required,type=$infile)
92 !**JNL** qualifier error, value(required,type=$outfile)
93 !**JNL** qualifier input, value(required,type=$outfile)
94 !**JNL** qualifier output, value(required,type=$outfile)
95 !**JNL** qualifier priority, value(required)
96 !**JNL** qualifier privileges, value(required,list,type=privileges)
97 !**JNL** qualifier process_name, value(required)
98 !**JNL** qualifier resource_wait,default
99 !**JNL** qualifier service_failure
100 !**JNL** qualifier swapping, default
101 !**JNL** qualifier uic, value(required,type=$uic)
102 !**JNL** qualifier accounting, default
103 !**JNL** qualifier buffer_limit, value(required)
104 !**JNL** qualifier time_limit, value(required,type=$deltatime)
105 !**JNL** qualifier file_limit, value(required)
106 !**JNL** qualifier page_file, value(required)
107 !**JNL** qualifier queue_limit, value(required)
108 !**JNL** qualifier subprocess_limit,value(required)
109 !**JNL** qualifier maximum_working_set,value(required)
110 !**JNL** qualifier working_set, value(required)
111 !**JNL** qualifier authorize, default
112 !**JNL** qualifier ast_limit, value(required)

```

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VAX/VMS Command Definition Utility (V4-001)  
\_S255\$DUA28:[CLD.SRC]RUN.CLD;1 (1)

Page 3

```
113 !**JNL**      qualifier io_buffered, value(required)
114 !**JNL**      qualifier io_direct, value(required)
115 !**JNL**      qualifier enqueue_limit,value(required)
116 !**JNL**      qualifier extent, value(required)
117 !**JNL**      qualifier auto_restart
118 !**JNL**      qualifier paging_file, value(required,type=$outfile)
119 !**JNL**      qualifier detached
120 !**JNL**      qualifier dump
121 !**JNL**      qualifier debug
122 !**JNL**      qualifier wait, default
123 !**JNL**      qualifier chk_file, value(required,type=$outfile)
124
125 !**JNL** define syntax run_restart
126 !**JNL**      image chrstcmd
127 !**JNL**      parameter p1,prompt='File',value(required,type=$infile)
128 !**JNL**      qualifier error, value(required,type=$outfile)
129 !**JNL**      qualifier input, value(required,type=$outfile)
130 !**JNL**      qualifier output, value(required,type=$outfile)
131 !**JNL**      qualifier priority, value(required)
132 !**JNL**      qualifier privileges, value(required,list,type=privileges)
133 !**JNL**      qualifier process_name,value(required)
134 !**JNL**      qualifier resource_wait,default
135 !**JNL**      qualifier service_failure
136 !**JNL**      qualifier swapping, default
137 !**JNL**      qualifier uic, value(required,type=$uic)
138 !**JNL**      qualifier accounting, default
139 !**JNL**      qualifier buffer_limit, value(required)
140 !**JNL**      qualifier time_limit, value(required, type=$deltatime)
141 !**JNL**      qualifier file_limit, value(required)
142 !**JNL**      qualifier page_file, value(required)
143 !**JNL**      qualifier queue_limit, value(required)
144 !**JNL**      qualifier subprocess_limit,value(required)
145 !**JNL**      qualifier maximum_working_set,value(required)
146 !**JNL**      qualifier working_set, value(required)
147 !**JNL**      qualifier authorize, default
148 !**JNL**      qualifier ast_limit, value(required)
149 !**JNL**      qualifier io_buffered, value(required)
150 !**JNL**      qualifier io_direct, value(required)
151 !**JNL**      qualifier enqueue_limit,value(required)
152 !**JNL**      qualifier extent, value(required)
153 !**JNL**      qualifier auto_restart
154 !**JNL**      qualifier dump
155 !**JNL**      qualifier debug
156 !**JNL**      qualifier wait, default
157
158 define syntax run_process
159     image rundet
160
161 define verb run
162     synonym r
163     synonym ru
164     cliroutine run
165     cliflags(abbreviate)
166     prefix clisk_run
167     parameter p1,prompt='File',value(required,type=$infile)
168 !**JNL**      qualifier checkpoint, syntax=run_checkpoint
```



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VAX/VMS Command Definition Utility (V4-001) Page 4  
\_S255SDUA28:[CLD.SRC]RUN.CLD;1 (1)

```
169  !***JNL**      qualifier restart,      syntax=run_restart
170      qualifier delay,      value(required, type=$deltatime),
171      syntax=run_process
172      qualifier error,      value(required, type=$outfile),
173      syntax=run_process
174      qualifier input,      value(required, type=$outfile),
175      syntax=run_process
176      qualifier interval,   value(required, type=$deltatime),
177      syntax=run_process
178      qualifier output,     value(required, type=$outfile),
179      syntax=run_process
180      qualifier priority,   value(required),
181      syntax=run_process
182      qualifier privileges, value(required, list, type=privileges),
183      syntax=run_process
184      qualifier process_name, value(required),
185      syntax=run_process
186      qualifier resource_wait, default, syntax=run_process
187      qualifier schedule,   value(required, type=$datetime),
188      syntax=run_process
189      qualifier service_failure, syntax=run_process
190      qualifier swapping,   default, syntax=run_process
191      qualifier uic,        value(required, type=$uic),
192      syntax=run_process
193      qualifier accounting, default, syntax=run_process
194      qualifier buffer_limit, value(required), syntax=run_process
195      qualifier time_limit,  value(required, type=$deltatime), syntax=run_process
196      qualifier file_limit,  value(required), syntax=run_process
197      qualifier page_file,   value(required), syntax=run_process
198      qualifier queue_limit, value(required), syntax=run_process
199      qualifier subprocess_limit, value(required), syntax=run_process
200      qualifier maximum_working_set, value(required), syntax=run_process
201      qualifier working_set, value(required), syntax=run_process
202      qualifier debug
203      qualifier authorize,   syntax=run_process
204      qualifier mailbox,     value(required), syntax=run_process
205      qualifier ast_limit,   value(required), syntax=run_process
206      qualifier io_buffered, value(required), syntax=run_process
207      qualifier io_direct,   value(required), syntax=run_process
208      qualifier enqueue_limit, value(required), syntax=run_process
209      qualifier extent,      value(required), syntax=run_process
210      qualifier detached,    syntax=run_process
211      qualifier dump,        syntax=run_process
212      qualifier job_table_quota, value(required), syntax=run_process
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

Version: 'V04-000'

14 February 1984

Command-line description file for RUNOFF

define type contents\_page\_options

keyword running, negatable  
keyword level, value(required, type=\$number)

define type index\_page\_options

keyword running, negatable

define syntax RUN\_CONTENTS

image DSRTOC  
parameter p1, label=input, prompt='File', value(required, list, type=\$infile)  
qualifier bold  
qualifier deepest\_header, value(required, type=\$number), nonnegatable  
qualifier identification  
qualifier indent  
qualifier log  
qualifier output, value(type=\$outfile), default  
qualifier page\_numbers, value(required, list, type=contents\_page\_options), nonnegatable  
qualifier require, value(required, type=\$infile)  
qualifier section\_numbers  
qualifier underline

define syntax RUN\_INDEX

image DSRINDEX  
parameter p1, label=input, prompt='File', value(required, list, type=\$infile)  
qualifier identification  
qualifier lines\_per\_page, value(required, type=\$number), nonnegatable  
qualifier log  
qualifier output, value(type=\$outfile), default  
qualifier page\_numbers, value(list, type=index\_page\_options), default  
qualifier require, value(required, type=\$infile)  
qualifier reserve, value(required, type=\$number)

define type debug\_options

keyword all, default  
keyword conditionals  
keyword contents  
keyword files  
keyword index

define type message\_options

keyword output  
keyword user

define verb RUNOFF

image RUNOFF  
parameter p1, label=p1, prompt='File', value(required, list, type=\$infile)  
qualifier backspace, placement=positional, nonnegatable  
qualifier bold, value(default=1, type=\$number), default, placement=positional  
qualifier changeBars, value(default='|'), placement=positional  
qualifier contents, syntax=run\_contents

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]RUNOFF.CLD;1 (1)

57	qualifier	debug,	value(list, type=debug_options, default=ALL), placement=positional
58	qualifier	dec internal,	value(list), placement=positional, nonnegatable
59	qualifier	device,	value(required, list), placement=positional, nonnegatable
60	qualifier	down,	value(default=5, type=\$number), placement=positional
61	qualifier	form_size,	value(required, type=\$number), nonnegatable
62	qualifier	index,	syntax=run_index
63	qualifier	intermediate,	value(type=\$outfile), placement=positional
64	qualifier	log	
65	qualifier	messages,	value(required, type=message_options, list), placement=positional, nonnegatable
66	qualifier	output,	value(type=\$outfile), placement=positional
67	qualifier	overprint,	default, placement=positional, nonnegatable
68	qualifier	pages,	value(required), placement=positional, nonnegatable
69	qualifier	pause	
70	qualifier	right,	value(default=5, type=\$number), placement=positional
71	qualifier	sequence	placement=positional
72	qualifier	simulate	
73	qualifier	underline_character,	value(default="'"), default, placement=positional
74	qualifier	separate_underline,	value(default="'="), placement=positional, nonnegatable
75	qualifier	nonspacing_underline,	value(default="'"), placement=positional, nonnegatable
76	qualifier	variant,	value, placement=positional, nonnegatable

\$ SET COMMAND SRC\$;ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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\_S255SDUA28:[CLD.SRC]SDL.CLD;1 (1)

```
1  |
2  | Version:  'V04-000'
3  |
4  |
5  | define syntax NOPARSE
6  |     image SDLNPARSE
7  | define verb SDL,
8  |     image SDL,
9  |     parameter p1, prompt="File",label=infile,value (required,list)
10 |     qualifier LANGUAGES, value (required,list),placement=positional
11 |     qualifier LIST, value,placement=positional
12 |     qualifier DUMP, placement=positional,value
13 |     qualifier PARSE, default,placement=positional,value
14 |     qualifier NOPARSE, syntax=noparse
15 |     qualifier HEADER, default,placement=positional
16 |     qualifier COPYRIGHT, placement=positional,value
17 |     qualifier COMMENTS,default, placement=positional,value
18 |     qualifier NOCOMMENTS, placement=positional,value
19 |     qualifier GLOBAL_DEFINITION, placement=positional,value
20 |     qualifier VMS_DEVELOPMENT, placement=positional,value
```

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]SEARCH.CLD;1 (1)

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29  
30  
31  
32  
33  
34  
Version: 'V04-000'

define type search\_matches

keyword and  
keyword or,default  
keyword nand  
keyword nor

define type search\_formats

keyword passall  
keyword text,default  
keyword dump  
keyword nonulls

define verb search

image search

parameter p1,prompt='Filename(s)',value(required,list,type=\$infile),  
label=source

parameter p2,prompt='String(s)',value(required,list),label=string

qualifier exact

qualifier exclude,value(required,list),nonnegatable

qualifier format,value(type=search\_formats,default=TEXT),  
default,nonnegatable

qualifier heading,default

qualifier log

qualifier match,value(type=search\_matches,default=OR),  
default,nonnegatable

qualifier numbers

qualifier output,value(default=SYS\$OUTPUT,type=\$outfile),default

qualifier remaining

qualifier statistics

qualifier window,value(default=5,list)

\$ SET COMMAND SRC\$;ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT?



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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]SET.CLD;1 (1)

Don't forget the MCRSET.CLD file. It contains an equivalent set of definitions for MCR which should also be enhanced.

Version: 'V04-000'

Edit History:

V03-086 JAK0226 J A Krycka 16-Aug-1984  
Change /OWNER to /OWNER\_UIC on SET QUEUE for consistency with  
other commands.

V03-085 AEW0004 Anne E. Warner 02-Aug-1984  
Take out /WRITE and /CONTROLLER qualifiers from  
SET DEVICE/SERVED again since the code has been fixed to  
accept this behavior.

V03-084 CWH3084 CW Hobbs 29-Jul-1984  
Restore /WRITE and /CONTROLLER qualifiers to SET DEV /SERV

V03-083 CWH3083 CW Hobbs 27-Jul-1984  
Comment out disallow references to /WRITE and /CONTROLLER  
in SET DEVICE /SERVED

V03-082 AEW0003 Anne E. Warner 25-Jul-1984  
1. Take \$DELTATIME value out of SET VOLUME/RETENTION.  
This was added in V03-073.  
2. Comment out the qualifiers /[NO]WRITE and /CONTROLLER  
in SET DEVICE/SERVED.  
3. Make SYNTAX= qualifiers nonnegatable throughout SET.  
4. Make qualifiers negatable in SET:  
ACCOUNTING PASSWORD  
CARD READER PROCESS  
DAYTIME PROTECTION  
DEVICE RMS DEFAULT  
DIRECTORY VOLUME  
FILE WORKING\_SET  
LOGINS  
MESSAGE  
MAGTAPE

V03-081 JAK0220 J A Krycka 12-Jul-1984  
Add [NO]FEED option to the /DEFAULT qualifier.

V03-080 DAS0003 David Solomon 09-Jul-1984  
Add SET VOLUME/REBUILD.

V03-079 LMP0260 L. Mark Pilant, 25-Jun-1984 14:08  
Add a qualifier, /DEFAULT, to be used with SET ACL/LIKE to  
only copy default option ACEs.

V03-078 JLV0354 Jake VanNoy 12-APR-1984  
Add SET HOST/DTE/DIAL

V03-077 ROW0349 Ralph O. Weber 12-APR-1984  
Add SET DEVICE/[NO]DIAGNOSTIC.  
Add SET HOST/HSC with executed image HSCPAD.  
Add SET PRINTER /FORM\_UNIT /TRUNCATE /TAB /SIXELS /BITMAPPED

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]SET.CLD;1 (1)

for Elliott.

V03-076 PCG0019 Peter George 30-Mar-1984  
Add SET RMS/NETWORK BLOCK COUNT.  
Add SET DEVICE/SERVED/NOWRITE/CONTROLLER.  
Add /LOG qualifier to SET TERM/X29.  
Require SET TERM/X29/HOLD\_TIMER to have a value.  
Make the PSISCTX29\_ACTION keywords negatable.

V03-075 LMP0217 L. Mark Pilant, 24-Mar-1984 22:22  
Change all references to SETACL to be SETSHOACL.

V03-074 BLS0291 Benn Schreiber 24-MAR-1984  
SET PASSWORD is now in SETPO

V03-073 PCG0018 Peter George 15-Mar-1984  
Remove unnecessary PREFIX statements.  
Specify SET VOL/RETENTION takes delta time values.

V03-072 HWS0030 Harold Schultz 14-Mar-1984  
Fix HWS0024

V03-071 PRB0322 Paul Beck 11-MAR-1984 13:17  
Add SET CLUSTER /QUORUM

V03-070 LMP0210 L. Mark Pilant, 9-Mar-1984 13:46  
Change the /MODIFY qualifier on the various SET xxx/ACL  
commands to be /REPLACE.

V03-069 HWS0024 Harold Schultz 09-Mar-1984  
Remove NETWORK SPECIFIC keyword and add /PERMANENT  
qualifier to SET TERM/X29 command.

V03-068 PLL0001 Pamela Levesque 07-Mar-1984  
Remove terminal definitions from SET TERM/DEVICE.  
(to allow termtab defined terminals)

V03-067 SHZ0003 Stephen H. Zalewski, 06-Mar-1984  
Disallow SET PASSWORD/SYSTEM/SECONDARY.

V03-066 HWS0018 Harold Schultz 06-Mar-1984  
Integrate in SET HOST/X29, SET TERM/X29 and associated  
qualifiers.

V03-065 EMD0057 Ellen M. Dusseault 02-Mar-1984  
Add new terminal device name, PRO\_SERIES for SET  
TERMINAL/DEVICE=

V03-064 EMD0052 Ellen M. Dusseault 28-Feb-1984  
Allow SET TERMINAL qualifier, DEC\_CRT to have a value  
and also a list of elements.

V03-063 MCN0154 Maria del C. Nasr 27-Feb-1984  
Add DETACHED, SUPROCESS as keywords to /ENABLE in  
SET ACCOUNTING.

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255\$DUA28:[CLD.SRC]SET.CLD;1 (1)

113	V03-062	RSH0106	R. Scott Hanna	24-Feb-1984	
114		Fix field test 1 problems with SET AUDIT.			
115					
116	V03-061	PCG0017	Peter George	14-Feb-1984	
117		Change behavior of queue parameter, /BLOCK LIMIT			
118		qualifier, and /PAGE qualifier to SET QUEUE.			
119					
120	V03-060	SHZ0002	Stephen H. Zalewski	13-Feb-1984	
121		Add SET PASSWORD/SECONDARY.			
122					
123	V03-059	DAS0002	David Solomon	6-Feb-1984	
124		Remove /JOURNAL keyword from SET FILE and SET AUDIT.			
125					
126	V03-058	LMP0185	L. Mark Pilant,	3-Feb-1984	19:54
127		Add a support for a SET DEVICE/ACL command.			
128					
129	V03-057	LMP0185	L. Mark Pilant,	1-Feb-1984	12:18
130		Add support for device ACLs.			
131					
132	V03-053	MCN0146	Maria del C. Nasr	1-Feb-1984	
133		Add MESSAGE keyword to /ENABLE for SET ACCOUNTING			
134					
135	V03-052	NMD0230	Meg Dumont	1-Feb-1984	
136		Add /PROTOCOL and values to SET TERMINAL			
137					
138	V03-051	EMD0042	Ellen M. Dusseault	31-Feb-1984	
139		add /FALLBACK to SET PRINTER			
140					
141	V03-050	SHZ0001	Stephen H. Zalewski	03-Jan-1984	
142		add /GENERATE to SET PASSWORD.			
143					
144	V03-049	AEW0002	Anne Warner	15-Dec-1983	
145		Add /PROTECTION to SET FILE			
146					
147	V03-048	AEW0001	Anne Warner	08-Nov-1983	
148		Add /UNLOCK to SET FILE			
149					
150	V03-047	GAS0175	Gerry Smith	30-Aug-1983	
151		Add SET BROADCAST.			
152					
153	V03-046	PCG0016	Peter George	25-Aug-1983	
154		Add SET HOST/SNA /CHARACTER_SET qualifier.			
155					
156	V03-045	MIR0083	Michael I. Rosenblum	23-Aug-1983	
157		Add SYSPASSWORD to set terminal.			
158					
159	V03-044	BLS0232	Benn Schreiber	5-Aug-1983	
160		Add SET TERM/PASTHRU, which was omitted			
161					
162	V03-043	MLJ0043	Martin L. Jack	29-Jul-1983	
163		Enhance SET QUEUE.			
164					
165	V03-042	GAS0153	Gerry Smith	27-Jul-1983	
166		Add SET AUDIT.			
167					
168	V03-041	PCG0015	Peter George	27-Jul-1983	

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VAX/VMS Command Definition Utility (V4-001) Page 4  
\_S255SDUA28:[CLD.SRC]SET.CLD;1 (1)

169 Add SET HOST/BTS  
170  
171 V03-040 PCG0015 Peter George 21-Jun-1983  
172 Change \$PARENTHESED\_VALUE to \$ACL.  
173  
174 V03-039 PCG0014 Peter George 21-Jun-1983  
175 Put \$DELTATIME back in SET OUTPUT\_RATE.  
176  
177 V03-038 GAS0139 Gerry Smith 17-Jun-1983  
178 Add SET PASSWORD/SYSTEM.  
179  
180 V03-037 JLV0271 Jake VanNoy 14-JUN-1983  
181 Add SET HOST/LOG=output\_file  
182  
183 V03-036 PCG0013 Peter George 31-May-1983  
184 Make SET OUTPUT\_RATE work in build.  
185  
186 V03-035 MLJ0035 Martin L. Jack 27-May-1983  
187 Change set host/old default.  
188  
189 V03-034 JLV0256 Jake VanNoy 26-May-1983  
190 Change set host/old default.  
191  
192 V03-033 RSH0027 R. Scott Hanna 24-May-1983  
193 Add SECURITY privilege  
194  
195 V03-032 LMP0117 L. Mark Pilant, 19-May-1983 10:48  
196 Add the new command SET FILE/ACL.  
197  
198 V03-031 GAS0132 Gerry Smith 19-May-1983  
199 Add HIGHWATER, ERASE\_ON\_DELETE, UNLOAD, and  
200 MOUNT VERIFICATION to SET VOLUME. Also remove the  
201 defaults for SET MESSAGE, since it makes more sense  
202 to change the documentation than the way SET MESS works.  
203  
204 V03-030 PCG0012 Peter George 03-May-1983  
205 Add SET OUTPUT\_RATE, SET VERIFY=(PROCEDURE,IMAGE)  
206  
207 V03-029 PCG0011 Peter George 30-Apr-1983  
208 Change SET PROMPT/CONTROL to /CARRIAGE\_CONTROL.  
209  
210 V03-028 MIR0042 Michael I. Rosenblum 29-Apr-1983  
211 Move important information to the top of the module  
212  
213 V03-027 MLJ0027 Martin L. Jack 27-Apr-1983  
214 Changes for new QUEMAN image.  
215  
216 V03-026 GAS0127 Gerry Smith 27-Apr-1983  
217 Make SET MESSAGE default to /FAC/ID/SEV/TEXT.  
218  
219 V03-025 KPL0001 Peter Lieberwirth 27-Apr-1983  
220 Add qualifiers AI JOURNAL, AT JOURNAL, and BI JOURNAL  
221 to SET FILE to permit specification of journal names.  
222 Remove EXPIRED qualifier from SET FILE for Gerry.  
223  
224 V03-024 PRB0175 Paul Beck 27-APR-1983 10:36:50



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\_S255SDUA28:[CLD.SRC]SET.CLD;1 (1)

Add privileges TMPJNL and PRMJNL.

V03-023 MIR0035 Michael I. Rosenblum 18-Apr-1983  
Add qualifiers DISMISS\_PARITY, APPLICATIONS, NUMERIC  
FRAME, add Vt200 support and associated qualifiers.

V03-022 PCG0010 Peter George 13-Apr-1983  
Add SET RESTART\_VALUE.

V03-021 GAS0116 Gerry Smith 12-Apr-1983  
Add common qualifiers to SET FILE, SET DIRECTORY

V03-020 WMC0020 Wayne Cardoza 11-Apr-1983  
Add SET PROC/DUMP

V03-019 GAS0112 Gerry Smith 29-Mar-1983  
Add labels for the parts of set which are being  
converted to the new CLI interface.

V03-018 PCG0009 Peter George 28-Mar-1983  
Add SET KEY.  
Delete MCR-specific statements.

V03-017 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983  
Replace definition of SET COMMAND for new CDU.  
Make all necessary changes for new CDU.

V03-016 GAS0106 Gerry Smith 12-Mar-1983  
Add five new privileges, as well as /LOG to  
many new SET options.

V03-015 MLJ0015 Martin L. Jack 01-Mar-1983  
Changes for new QUEMAN image.

V03-014 PCA1008 Paul C. Anagnostopoulos 11 Feb 1983  
Add a comment about the equivalent CLD for MCR.

V03-013 JLV0229 Jake VanNoy 11-Feb-1983  
Add temporary /OLD to SET HOST as a means of using  
either protocol to remote node.

V03-012 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Remove MCRIGNORE flag from SET\_PROMPT syntax definition, as  
the new CDU won't support it.

V03-011 GAS0105 Gerry Smith 27-Jan-1983  
Add /LOG qualifier.

V03-010 MLJ0010 Martin L. Jack 01-Jan-1983  
Changes for new QUEMAN image.

V03-009 PCG0008 Peter George 19-Nov-1982  
Correct placement of PROMPT keyword.

V03-008 PCG0007 Peter George 14-Nov-1982  
Set MCRIGNORE flag for SET PROMPT.



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VAX/VMS Command Definition Utility (V4-001) Page 6  
\_S255\$DUA28:[CLD.SRC]SET.CLD;1 (1)

```
281
282 V03-007 PCG0006 Peter George 29-Oct-1982
283 Add SET PROMPT. Fix SET TIME.
284
285 V03-006 PCG0005 Peter George 21-Oct-1982
286 Make SET PROTECTION work.
287
288 V03-005 DWT0061 David Thiel 20-Oct-1982
289 Use keywords for value of /CLI qualifier
290
291 V03-004 PCG0004 Peter George 19-Oct-1982
292 Correct spelling of SET CONTROL Y keyword.
293 Copy previous parameter definitions into each
294 DEFINE SYNTAX statement.
295
296 V03-003 PCG0003 Peter George 06-Oct-1982
297 Correct placement of /PROTECTION and /DEFAULT
298 qualifiers to SET PROTECTION. Put mcroptdelim
299 flag into cliflags construct.
300
301 V03-002 PCG0002 Peter George 03-Aug-1982
302 Add SET HOST/SNA
303
304 V03-001 PCG0001 Peter George 15-Jul-1982
305 Allow negated privileges
306
```

```
307 define type file_access_types
```

```
308 keyword all
309 keyword control
310 keyword delete
311 keyword execute
312 keyword read
313 keyword write
314
```

```
315 define type file_audit_types
```

```
316 keyword all
317 keyword bypass, value(list,default=all,type=file_access_types)
318 keyword downgrade, value(list,default=all,type=file_access_types)
319 keyword failure, value(list,default=all,type=file_access_types)
320 keyword grpdrv, value(list,default=all,type=file_access_types)
321 keyword readall, value(list,default=all,type=file_access_types)
322 keyword success, value(list,default=all,type=file_access_types)
323 keyword sysdrv, value(list,default=all,type=file_access_types)
324 keyword upgrade, value(list,default=all,type=file_access_types)
325
```

```
326 define type breakin_types
```

```
327 keyword all
328 keyword detached
329 keyword dialup
330 keyword local
331 keyword network
332 keyword remote
333
```

```
334 define type loginout_types
```

```
335 keyword all
336 keyword batch
```

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\_S255SDUA28:[CLD.SRC]SET.CLD;1 (1)

```
337 keyword detached
338 keyword dialup
339 keyword local
340 keyword network
341 keyword remote
342 keyword subprocess
343
344 define type audit_types
345 keyword acl
346 keyword all
347 keyword authorization
348 keyword file_access, value(required,list,type=file_audit_types)
349 keyword breakin, value(required,list,type=breakin_types)
350 keyword logfailure, value(required,list,type=loginout_types)
351 keyword login, value(required,list,type=loginout_types)
352 keyword logout, value(required,list,type=loginout_types)
353 keyword mount
354
355 define type keep_file
356 keyword recovery
357 keyword journal
358
359 define type mode_types
360 keyword prompt, default,negatable
361
362 define type acl_objects
363 keyword file
364 keyword device
365 keyword queue
366 keyword event_cluster
367 keyword logical_name_table
368 keyword process
369 keyword global_section
370
371 define type skiptypes
372 keyword end_of_tape
373 keyword files,value
374 keyword blocks,value
375 keyword records,value
376
377 define type print_bft
378 keyword all,default
379 keyword one
380
381 define type defaults
382 keyword burst,negatable,value(type=print_bft)
383 keyword feed,negatable
384 keyword flag,negatable,value(type=print_bft)
385 keyword trailer,negatable,value(type=print_bft)
386
387 define type retain
388 keyword all,default
389 keyword error
390
391 define type protection
392 keyword system,value
```

```
393 keyword group,value
394 keyword owner,value
395 keyword world,value
396
397 define type control_keys
398 keyword t
399 keyword y
400
401 define type verify_keys
402 keyword procedure,negatable
403 keyword image,negatable
404
405 define type privileges
406 keyword acct,negatable
407 keyword allspool,negatable
408 keyword altpri,negatable
409 keyword bugchk,negatable
410 keyword bypass,negatable
411 keyword cmexec,negatable
412 keyword cmkrnl,negatable
413 keyword detach,negatable
414 keyword diagnose,negatable
415 keyword downgrade,negatable
416 keyword exquota,negatable
417 keyword group,negatable
418 keyword grpnam,negatable
419 keyword grpprv,negatable
420 keyword log_io,negatable
421 keyword mount,negatable
422 keyword netmbx,negatable
423 keyword oper,negatable
424 keyword pfnmap,negatable
425 keyword phy_io,negatable
426 keyword prmcdb,negatable
427 keyword prmgbl,negatable
428 keyword prmjnl,negatable
429 keyword prmbx,negatable
430 keyword pswapm,negatable
431 keyword readall,negatable
432 keyword same,negatable
433 keyword security,negatable
434 keyword setprv,negatable
435 keyword share,negatable
436 keyword shmem,negatable
437 keyword syslck,negatable
438 keyword sysgbl,negatable
439 keyword sysnam,negatable
440 keyword sysprv,negatable
441 keyword tmpjnl,negatable
442 keyword tmpmbx,negatable
443 keyword upgrade,negatable
444 keyword volpro,negatable
445 keyword world,negatable
446
447 define type accounting_types
448 keyword batch
```

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VAX/VMS Command Definition Utility (V4-001) Page 9  
\_S255\$DUA28:[CLD.SRC]SET.CLD;1 (1)

```
449 keyword interactive
450 keyword login_failure
451 keyword print
452 keyword process
453 keyword network
454 keyword image
455 keyword message
456 keyword detached
457 keyword subprocess
458
459 define type brdcst_types
460 keyword all
461 keyword none
462 keyword general,negatable
463 keyword phone,negatable
464 keyword mail,negatable
465 keyword queue,negatable
466 keyword shutdown,negatable
467 keyword urgent,negatable
468 keyword dcl,negatable
469 keyword opcom,negatable
470 keyword user1,negatable
471 keyword user2,negatable
472 keyword user3,negatable
473 keyword user4,negatable
474 keyword user5,negatable
475 keyword user6,negatable
476 keyword user7,negatable
477 keyword user8,negatable
478 keyword user9,negatable
479 keyword user10,negatable
480 keyword user11,negatable
481 keyword user12,negatable
482 keyword user13,negatable
483 keyword user14,negatable
484 keyword user15,negatable
485 keyword user16,negatable
486
487 define type journal_keywords
488 keyword ai,negatable,value
489 keyword at,negatable,value
490 keyword bi,negatable,value
491 keyword never_ru,negatable
492 keyword only_ru,negatable
493 keyword ru,negatable
494
495 define type schedule
496 keyword size,negatable
497
498 define type separate
499 keyword burst,negatable
500 keyword flag,negatable
501 keyword reset,negatable,value(required,list)
502 keyword trailer,negatable
503
504 define type protocol_types
```

```

505 keyword none
506 keyword ddcmp
507
508 define type psisetx29_int_brk
509 keyword action negatable,value(type=psisetx29_action,required,list)
510 label=psisetx29_action
511 keyword string negatable,value(required),label=psisetx29_string
512
513 define type psisetx29_action
514 keyword purge negatable,label=psisetx29_purge
515 keyword reset negatable,label=psisetx29_reset
516 keyword clear negatable,label=psisetx29_clear
517
518 define type x29_param_type
519 keyword break, label=x29_break,negatable,
520 value(type=$number,default=1)
521 keyword 7, label=x29_break_n,
522 value(required,type=$number)
523 keyword crfill, label=x29_crfill,negatable,
524 value(type=$number,default=1)
525 keyword 9, label=x29_crfill_n,
526 value(required,type=$number)
527 keyword delete, label=x29_delete,negatable,
528 value(type=$number,default=1)
529 keyword 16, label=x29_delete_n,
530 value(required,type=$number)
531 keyword discard_output, label=x29_discard_output,negatable,
532 value(type=$number,default=1)
533 keyword 8, label=x29_discard_output_n,
534 value(required,type=$number)
535 keyword echo, label=x29_echo,negatable,
536 value(type=$number,default=1)
537 keyword 2, label=x29_echo_n,
538 value(required,type=$number)
539 keyword edit, label=x29_edit,negatable,
540 value(type=$number,default=1)
541 keyword 15, label=x29_edit_n,
542 value(required,type=$number)
543 keyword escape_character, label=x29_escape,negatable,
544 value(type=$number,default=1)
545 keyword 1, label=x29_escape_n,
546 value(required,type=$number)
547 keyword forwarding_characters, label=x29_forwarding,negatable,
548 value(type=$number,default=1)
549 keyword 3, label=x29_forwarding_n,
550 value(required,type=$number)
551 keyword hostsync, label=x29_hostsync,negatable,
552 value(type=$number,default=1)
553 keyword 5, label=x29_hostsync_n,
554 value(required,type=$number)
555 keyword lffill, label=x29_lffill,negatable,
556 value(type=$number,default=1)
557 keyword 14, label=x29_lffill_n,
558 value(required,type=$number)
559 keyword line_delete, label=x29_line_delete,negatable,
560 value(type=$number,default=1)

```



```

561 keyword 17, label=x29_line_delete_n,
562 value(required,type=$number)
563 keyword messages, label=x29_messages_negatable,
564 value(type=$number,default=1)
565 keyword 6, label=x29_messages_n,
566 value(required,type=$number)
567 keyword new_line, label=x29_new_line_negatable,
568 value(type=$number,default=1)
569 keyword 13, label=x29_new_line_n,
570 value(required,type=$number)
571 keyword redisplay_line, label=x29_redisplay_line_negatable,
572 value(type=$number,default=1)
573 keyword 18, label=x29_redisplay_line_n,
574 value(required,type=$number)
575 keyword speed, label=x29_speed_negatable,
576 value(type=$number,default=1)
577 keyword 11, label=x29_speed_n,
578 value(required,type=$number)
579 keyword timeout, label=x29_timeout_negatable,
580 value(type=$number,default=1)
581 keyword 4, label=x29_timeout_n,
582 value(required,type=$number)
583 keyword ttsync, label=x29_ttsync_negatable,
584 value(type=$number,default=1)
585 keyword 12, label=x29_ttsync_n,
586 value(required,type=$number)
587 keyword wrap, label=x29_wrap_negatable,
588 value(type=$number,default=1)
589 keyword 10, label=x29_wrap_n,
590 value(required,type=$number)
591
592 define syntax acledit
593 image acledt
594 parameter p1,label=option,value(required)
595 parameter p2,prompt="Object Name",value(required,type=$infile),label=input
596 qualifier journal, default,value(type=$infile)
597 qualifier recover, value(type=$infile)
598 qualifier keep, value(list,type=keep_file)
599 qualifier mode, default,value(type=mode_types)
600 qualifier object_type, value(type=acl_objects)
601
602 define syntax set_accounting
603 parameter p1,label=option,value(required)
604 qualifier disable, value(list,type=accounting_types)
605 qualifier enable, value(list,type=accounting_types)
606 qualifier new_file
607 qualifier log
608
609 define syntax set_acl
610 image setshoacl
611 parameter p1,label=option,value(required)
612 parameter p2,prompt="Object",value(required),label=input
613 qualifier acl, value(list,type=$acl)
614 qualifier after, value(required,type=$acl)
615 qualifier backup
616 qualifier before, value(default=today)

```

```

617     qualifier by_owner,      value(type=$uic)
618     qualifier confirm
619     qualifier created
620     qualifier default
621     qualifier delete
622     qualifier edit,          syntax=acledit,nonnegatable
623     qualifier exclude,      value(required,list)
624     qualifier expired
625     qualifier like,         value(required,type=set_acl_like)
626     qualifier log
627     qualifier modified
628     qualifier new
629     qualifier object_type,   value(type=acl_objects)
630     qualifier replace,      value(required,list,type=$acl)
631     qualifier since,        value(default=today)
632
633 define type set_acl_like
634     keyword object_name,     value(required)
635     keyword object_type,     value(required,type=acl_objects)
636
637 define type dial_keywords
638     keyword number,          value(required)
639     keyword modem_type,      value(default=DF03),default
640
641 define syntax set_audit
642     parameter p1,label=option,value(required)
643     disallow not_alarm
644     disallow not_enable and not_disable
645     qualifier alarm,          nonnegatable
646     qualifier disable,        nonnegatable,value(required,list,type=audit_types)
647     qualifier enable,         nonnegatable,value(required,list,type=audit_types)
648     qualifier log,            nonnegatable
649
650 define syntax set_broadcast
651     parameter p1,label=option,value(required,list,type=set_options)
652     noqualifiers
653
654 define syntax set_card_reader
655     parameter p1,label=option,value(required)
656     parameter p2,label=device,prompt="Device",value(required,type=$device)
657     qualifier 026
658     qualifier 029
659     qualifier log
660
661 define syntax set_cluster
662     qualifier quorum,         value,nonnegatable
663
664 define syntax set_control
665     parameter p1,label=option,value(required)
666     noqualifiers
667     cliroutine setctly
668
669 define syntax set_device
670     parameter p1,label=option,value(required)
671     parameter p2,label=file,prompt="Device",value(required,type=$device)
672     qualifier spooled,       value(list)

```

```

673     qualifier error_logging
674     qualifier available
675     qualifier dual_port
676     qualifier log
677     qualifier served
678     qualifier write
679     ! qualifier controller, value(required)
680     ! qualifier diagnostic
681
682     qualifier aci,          syntax=set_dev_acl,nonnegatable,
683                             value(list,type=$acl)
684     qualifier after,        value(required,type=$acl)
685     qualifier default
686     qualifier delete
687     qualifier edit,         syntax=acledit,nonnegatable
688     qualifier like,         value(required,type=$device)
689     qualifier new
690     qualifier replace,      value(required,list,type=$acl)
691     ! disallow (write or controller or neg write) and not served
692
693 define syntax set_dev_acl
694     image setshoacl
695     parameter p1,label=option,value(required)
696     parameter p2,prompt="Device",value(list,required,type=$infile),label=input
697
698 define syntax set_default
699     cliroutine setdefault
700     parameter p1,label=option,value(required)
701     parameter p2,prompt="Directory",value(required,type=$directory)
702     noqualifiers
703
704 define syntax set_directory
705     parameter p1,label=option,value(required)
706     parameter p2,label=directory,prompt="Directory",value(list,required,impcat,type=$directory)
707     qualifier confirm
708     qualifier log
709     qualifier owner_uic,     value(type=$uic)
710     qualifier version_limit, value
711     qualifier exclude,      value(required,list)
712     qualifier before,        value(default=today)
713     qualifier since,         value(default=today)
714     qualifier backup
715     qualifier created
716     qualifier modified
717     qualifier expired
718     qualifier by_owner,     value(type=$uic)
719     qualifier acl,          syntax=set_dir_acl,
                             value(list,type=$acl),nonnegatable
720                             value(required,type=$acl)
721     qualifier after,
722     qualifier default
723     qualifier delete
724     qualifier edit,         syntax=acledit,nonnegatable
725     qualifier like,         value(required,type=$infile)
726     qualifier new
727     qualifier replace,      value(required,list,type=$acl)
728

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```
729 define syntax set_dir_acl
730     image setshoacl
731     parameter p1,label=option,value(required)
732     parameter p2,prompt="Directory",value(list,required,type=$infile),label=input
733
734 define syntax set_file
735     parameter p1,label=option,value(required)
736     parameter p2,label=file,prompt="File",value(list,impcat,required,type=$infile)
737     qualifier backup
738     qualifier confirm
739     qualifier data_check,          value(list)
740     qualifier end_of_file,
741     qualifier enter,              value(required,type=$infile)
742     qualifier erase_on_delete
743     qualifier expiration_date,    value(required,type=$datetime)
744     qualifier extension,          value
745     qualifier global_buffers,     value(required)
746     !**JNL**    qualifier journal, value(required,list,
747     !**JNL**                                type=journal_keywords),nonnegatable
748     qualifier log
749     qualifier nodirectory
750     qualifier owner_uic,          value(type=$infile)
751     qualifier record_protection, value
752     qualifier truncate
753     qualifier remove
754     qualifier version_limit,      value
755     qualifier exclude,           value(required,list)
756     qualifier before,            value(default=today)
757     qualifier since,             value(default=today)
758     qualifier created
759     qualifier modified
760     qualifier by_owner,          value(type=$uic)
761     qualifier acl,               syntax=set_file_acl
762     value(list,type=$acl),nonnegatable
763     qualifier after,             value(required,type=$acl)
764     qualifier default
765     qualifier delete
766     qualifier edit,              syntax=acledit,nonnegatable
767     qualifier like,              value(required,type=$infile)
768     qualifier new
769     qualifier replace,           value(required,list,type=$acl)
770     qualifier unlock,
771     qualifier protection,        value(list,type=protection)
772
773 define syntax set_file_acl
774     image setshoacl
775     parameter p1,label=option,value(required)
776     parameter p2,prompt="File",value(list,required,type=$infile),label=input
777
778 define syntax set_output_rate
779     cliroutine setflush
780     parameter p1,label=option,value(required,type=set_options)
781
782 define syntax set_host_bts
783     image btslnk
784     qualifier exit_key,          label=exitkey,nonnegatable,value(required)
```



```

785
786 define syntax set_host_hsc
787     image hscpad
788     noqualifiers
789
790 define syntax set_host_sna
791     image snaterm
792     qualifier access_name, label=snaterm_access_name,
793         value(required),nonnegatable,placement=global
794     qualifier session_address, label=snaterm_session_addr,
795         value(required),nonnegatable,placement=global
796     qualifier circuit, label=snaterm_circuit,
797         value(required),nonnegatable,placement=global
798     qualifier application_name, label=snaterm_appl_name,
799         value(required),nonnegatable,placement=global
800     qualifier logon_mode, label=snaterm_logon_mode,
801         value(required),nonnegatable,placement=global
802     qualifier user_name, label=snaterm_user_name,
803         value(required),nonnegatable,placement=global
804     qualifier data, label=snaterm_data,
805         value(required),nonnegatable,placement=global
806     qualifier password, label=snaterm_password,
807         value(required),nonnegatable,placement=global
808     qualifier printer, label=snaterm_printer,
809         value(required,type=$outfile),
810         nonnegatable,placement=global
811     qualifier wait, label=snaterm_wait,placement=global
812     qualifier character_set, label=snaterm_character_set,
813         value(required,type=$infile),nonnegatable
814
815 define syntax set_host_x29
816     image psipad
817     parameter p1, label=option,value(required)
818     parameter p2, label=psipad_dte,prompt="Node",value(required)
819     qualifier ccitt, label=psipad_ccitt,syntax=set_host_x29_ccitt,
820         nonnegatable
821     qualifier closed_user_group, label=psipad_cug,nonnegatable,value
822     qualifier default_escape_character, label=psipad_dle,default,
823         value(default=P)
824     qualifier facilities, label=psipad_facilities,
825         value(required,list,type=$number)
826     qualifier fast_select, label=psipad_fast_select
827     qualifier local_dte, label=psipad_local_dte,value(required)
828     qualifier log, label=psipad_log,
829         value(type=$outfile,default=PSIPAD.LOG)
830     qualifier packet_size, label=psipad_packet_size,
831         value(type=$number,required)
832     qualifier parameters, label=psipad_parameters,
833         value(type=x29_param_type,list,required)
834     qualifier profile, label=psipad_profile,value(required,list)
835     qualifier protocol_identifier, label=psipad_protocol_id,nonnegatable,
836         value(required)
837     qualifier reverse_charging, label=psipad_reverse
838     qualifier statistics, label=psipad_statistics,default
839     qualifier subaddress, label=psipad_subaddress,value(required)
840     qualifier thrupt_class, label=psipad_thruput_class,

```



```

841      value(required,type=$number)
842      qualifier user_data, label=psipad_user_data,value(required)
843      qualifier vms_mode, label=psipad_vms_mode
844      qualifier window_size, label=psipad_window_size,
845      value(required,type=$number)
846      disallow psipad_parameters.x29_speed
847      disallow psipad_parameters.x29_speed_n
848
849  define syntax set_host_x29_ccitt
850      parameter p1, label=option,value(required)
851      parameter p2, label=psipad_dte,prompt='Node'
852      disallow <set_host_x29>psipad_parameters.x29_speed
853      disallow <set_host_x29>psipad_parameters.x29_speed_n
854      disallow not psipad_dte and (
855          <set_host_x29>psipad_cug or
856          <set_host_x29>psipad_facilities or
857          <set_host_x29>psipad_fast_select or
858          <set_host_x29>psipad_local_dte or
859          <set_host_x29>psipad_packet_size or
860          <set_host_x29>psipad_protocol_id or
861          <set_host_x29>psipad_reverse or
862          <set_host_x29>psipad_subaddress or
863          <set_host_x29>psipad_thrput_class or
864          <set_host_x29>psipad_user_data or
865          <set_host_x29>psipad_window_size )
866
867  define syntax set_host
868      image rtpad
869      parameter p1,label=option,value(required)
870      parameter p2,prompt='Node',value(required,type=$node),
871      label=node
872      qualifier sna, nonnegatable,syntax=set_host_sna
873      qualifier bts, nonnegatable,syntax=set_host_bts
874      qualifier old, label=old
875      qualifier log, label=log,
876      value(default=SETHOST.LOG,type=$outfile)
877      qualifier dte, label=dte
878      qualifier dial, value(list,type=dial_keywords)
879      qualifier hsc, nonnegatable,syntax=set_host_hsc
880      qualifier x29, nonnegatable,syntax=set_host_x29
881
882  define syntax set_key
883      prefix cli$K_stky_
884      cliroutine setkey_
885      qualifier state,value(required)
886      qualifier log
887
888  define syntax set_logins
889      parameter p1,label=option,value(required)
890      qualifier interactive, value
891
892  define syntax set_magtape
893      parameter p1,label=option,value(required)
894      parameter p2,label=device,prompt='Device',value(required,type=$device)
895      qualifier density, value(required)
896      qualifier rewind

```

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```
897     qualifier unload
898     qualifier logsoft
899     qualifier log
900     qualifier end_of_file,
901     qualifier skip,      value(required,type=skiptypes)
902
903 define syntax set_message
904     image setp0
905     parameter p1,label=option,value(required)
906     parameter p2,label=file,prompt='File',value(type=$infile)
907     qualifier delete,
908     qualifier facility
909     qualifier ident
910     qualifier severity
911     qualifier text
912     qualifier language,      value(required)
913
914 define syntax set_on
915     cliroutine seton
916     parameter p1,label=option,value(required)
917     noqualifiers
918
919 define syntax set_password
920     image setp0
921     parameter p1,label=option,value(required)
922     qualifier generate      value(type=$number)
923     qualifier secondary
924     qualifier system
925
926     disallow secondary and system
927
928 define syntax set_printer
929     parameter p1,label=option,value(required)
930     parameter p2,label=device,prompt='Device',value(required,type=$device)
931     qualifier cr
932     qualifier ff
933     qualifier uppercase
934     qualifier lowercase
935     qualifier la11          nonnegatable
936     qualifier la180         nonnegatable
937     qualifier lp11          nonnegatable
938     qualifier page,         default,value,nonnegatable
939     qualifier unknown       nonnegatable
940     qualifier width,        default,value,nonnegatable
941     qualifier passall
942     qualifier fallback
943     qualifier dafu
944     qualifier form_unit
945     qualifier wrap
946     qualifier printall
947     qualifier log
948     qualifier truncate
949     qualifier tab
950     qualifier sixels
951     qualifier bitmapped
952
```

```

953 define syntax set_process
954     parameter p1,label=option,value(required)
955     parameter p2,label=process,prompt="Process",value(type=$process)
956     qualifier identification,value(required)
957     qualifier priority,        value(required)
958     qualifier resource_wait
959     qualifier swapping
960     qualifier privileges,      value(list,required,type=privileges)
961     qualifier suspend
962     qualifier resume,
963     qualifier name,            value(required)
964     qualifier log
965     qualifier dump
966
967 define syntax set_prompt
968     cliroutine setprompt
969     parameter p1,label=option,value
970     qualifier carriage_control
971
972 define syntax set_def_prot
973     cliroutine setprot
974     prefix cli$K_stpr
975     parameter p1,label=option,value(required)
976     qualifier default
977
978 define syntax set_protection
979     parameter p1,label=option,value(required,type=set_options)
980     parameter p2,label=file,prompt="File",value(list,required,impcat,type=$infile)
981     qualifier default,          syntax=set_def_prot,nonnegatable
982     qualifier protection,       placement=local,
983     value(list,type=protection,required)
984     qualifier device
985     qualifier owner_uic,        value(type=$uic)
986     qualifier confirm
987     qualifier log
988
989 define syntax set_queue
990     image queman
991     parameter p1,label=option,value(required,type=set_options)
992     parameter p2,prompt="Queue",value(required)
993     qualifier after,            value(required,type=$datetime)
994     qualifier base_priority,value(required)
995     qualifier block_limit,      value(list)
996     qualifier burst
997     qualifier characteristics,value(required,list)
998     qualifier checkpoint,       default
999     qualifier cli,              value(required)
1000     qualifier copies,          value(required)
1001     qualifier cpudefault,       value(required)
1002     qualifier cpmmaximum,       value(required)
1003     qualifier cputime,          value(required)
1004     qualifier default,          value(required,list,type=defaults)
1005     qualifier delete
1006     qualifier disable_swapping
1007     qualifier enable_generic
1008     qualifier entry,            value(required)

```

```

1009 qualifier feed
1010 qualifier flag
1011 qualifier form, value(required)
1012 qualifier header
1013 qualifier hold
1014 qualifier job, value(required) ! collision: job_count, job_limit
1015 qualifier keep
1016 qualifier log_file, value(required)
1017 qualifier lowercase
1018 qualifier name, value(required)
1019 qualifier note, value(required)
1020 qualifier notify
1021 qualifier operator, value(required)
1022 qualifier owner_uic, value(required,type=$uic)
1023 qualifier pages, value(list)
1024 qualifier parameters, value(required,list)
1025 qualifier passall
1026 qualifier printer, value(required)
1027 qualifier priority, value(required)
1028 qualifier protection, value(required,list,type=protection)
1029 qualifier release
1030 qualifier requeue, value(required)
1031 qualifier restart
1032 qualifier retain, value(type=retain)
1033 qualifier schedule, value(required,list,type=schedule)
1034 qualifier separate, value(required,list,type=separate)
1035 qualifier setup, value(required,list)
1036 qualifier space
1037 qualifier trailer
1038 qualifier wsdefault, value(required)
1039 qualifier wsextent, value(required)
1040 qualifier wsquota, value(required)

```

```

1041
1042 define syntax set_restart_value
1043     image queman
1044     parameter p1,label=option,value(required,type=set_options)
1045

```

```

1046 define syntax set_rms default
1047     parameter p1,label=option,value(required)
1048     qualifier block_count, value(required)
1049     qualifier buffer_count, value(required)
1050     qualifier disk
1051     qualifier magtape
1052     qualifier unit_record
1053     qualifier hash
1054     qualifier indexed
1055     qualifier relative
1056     qualifier sequential
1057     qualifier system
1058     qualifier space_holder
1059     qualifier prologue, value(required)
1060     qualifier extend_quantity,value(required)
1061     qualifier network_block_count,value(required)
1062

```

```

1063 define syntax set_terminal
1064     parameter p1,label=option,value(required)

```



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```
1065 parameter p2,label=device,prompt='Device',value(type=device)
1066 qualifier application_keypad
1067 qualifier broadcast
1068 qualifier crfill, value
1069 qualifier dismiss_parity
1070 qualifier echo
1071 qualifier eight_bit
1072 qualifier escape
1073 qualifier hardcopy
1074 qualifier hold_screen
1075 qualifier hostSync
1076 qualifier interactive
1077 qualifier la36 nonnegatable
1078 qualifier lfill, value
1079 qualifier form
1080 qualifier frame, value,nonnegatable
1081 qualifier lowercase
1082 qualifier numeric_keypad
1083 qualifier page, value
1084 qualifier passall
1085 qualifier la120 nonnegatable
1086 qualifier scope
1087 qualifier scribe
1088 qualifier speed, value(required,list)
1089 qualifier tab
1090 qualifier ttsync
1091 qualifier typeahead
1092 qualifier unknown nonnegatable
1093 qualifier uppercase
1094 qualifier vt05 nonnegatable
1095 qualifier vt52 nonnegatable
1096 qualifier vt55 nonnegatable
1097 qualifier width, value
1098 qualifier wrap
1099 qualifier parity, value
1100 qualifier readsync
1101 qualifier permanent nonnegatable
1102 qualifier vt100 nonnegatable
1103 qualifier ft1 nonnegatable
1104 qualifier ft2 nonnegatable
1105 qualifier ft3 nonnegatable
1106 qualifier ft4 nonnegatable
1107 qualifier ft5 nonnegatable
1108 qualifier ft6 nonnegatable
1109 qualifier ft7 nonnegatable
1110 qualifier ft8 nonnegatable
1111 qualifier fulldup
1112 qualifier halfdup
1113 qualifier local_echo
1114 qualifier autobaud
1115 qualifier hangup
1116 qualifier brdcstmbx
1117 qualifier dma
1118 qualifier altypeahd
1119 qualifier ansi_crt
1120 qualifier regiS
```



```

1121 qualifier block_mode
1122 qualifier advanced_video
1123 qualifier xon nonnegatable
1124 qualifier device_type value(required),nonnegatable
1125 qualifier modem
1126 qualifier inquire nonnegatable
1127 qualifier dec_crt, value(list)
1128 qualifier edit
1129 qualifier set_speed
1130 qualifier line_edit
1131 qualifier disconnect
1132 qualifier fallback
1133 qualifier dialup
1134 qualifier insert_editing
1135 qualifier printer_port
1136 qualifier secure_server
1137 qualifier sixel
1138 qualifier soft_characters
1139 qualifier overstrike
1140 qualifier log
1141 qualifier passthru
1142 qualifier syspassword
1143 qualifier protocol value(required,type=protocol_types),nonnegatable
1144 qualifier x29, nonnegatable,syntax=set_term_x29
1145
1146 define syntax set_term_x29
1147 image psisetx29
1148 parameter p1, label=option,value(required)
1149 parameter p2, label=device,prompt='Device',value(type=$device)
1150 qualifier hold_timer, value(type=$number,required)
1151 label=psisetx29_hold_timer
1152 qualifier interrupt, value(type=psisetx29_int_brk,list,
1153 required),
1154 label=psisetx29_interrupt
1155 qualifier break, value(type=psisetx29_int_brk,list,
1156 required),
1157 label=psisetx29_break
1158 qualifier parameters, label=psisetx29_parameters
1159 value(type=x29_param_type,list,required)
1160 qualifier network_specific label=psisetx29_network_specific
1161 value(list,required)
1162 qualifier permanent, label=psisetx29_permanent,nonnegatable
1163 qualifier log, label=psisetx29_log
1164
1165 define syntax set_uic
1166 cliroutine setuic
1167 parameter p1,label=option,value(required)
1168 parameter p2,prompt='UIC',value(required,type=$uic)
1169 noqualifiers
1170
1171 define syntax set_verify
1172 cliroutine setverify
1173 parameter p1,label=option,value(required,type=set_options)
1174 disallow (not verify and (verify.procedure or verify.image))
1175
1176 define syntax set_volume

```

```

1177 parameter p1,label=option,value(required)
1178 parameter p2,label=volume,prompt="Volume",value(required,type=$infile)
1179 qualifier accessed, value
1180 qualifier data_check, value(list)
1181 qualifier erase_on_delete
1182 qualifier extension, value
1183 qualifier file_protection, value(type=protection,list,required)
1184 qualifier highwater_marking
1185 qualifier label, value(required)
1186 qualifier log
1187 qualifier mount_verification
1188 qualifier owner_uic, value(type=$uic)
1189 qualifier protection, value(type=protection,list,required)
1190 qualifier rebuild
1191 qualifier retention, value(list,required)
1192 qualifier unload
1193 qualifier user_name, value
1194 qualifier windows, value
1195
1196 define syntax set_working_set
1197 parameter p1,label=option,value(required)
1198 qualifier limit, value(required)
1199 qualifier quota, value(required)
1200 qualifier extent, value(required)
1201 qualifier adjust
1202 qualifier log
1203
1204 define syntax set_day
1205 parameter p1,label=option,value(required)
1206 qualifier primary
1207 qualifier secondary
1208 qualifier default
1209
1210 ! The following definitions comprise the SET COMMAND command, which is used
1211 ! to compile and manipulate command definition (CLD) files and their
1212 ! associated CLI tables.
1213
1214 define type cli_names
1215 keyword dcl,label=cli_dcl,default
1216 keyword mcr,label=cli_mcr
1217
1218 define syntax set_command
1219 image cdu
1220 parameter p1,label=option,value(required)
1221 parameter p2,label=cld_spec,prompt="CLD File(s)",value(list,type=$infile)
1222 qualifier delete,value(required,list)
1223 qualifier object,value(type=$outfile)
1224 qualifier replace,default
1225 qualifier symbols,value(required,type=$outfile)
1226 qualifier cli,default,nonnegatable,value(required,type=cli_names)
1227 qualifier listing,value(type=$outfile)
1228 qualifier log
1229 qualifier output,default,value(type=$outfile)
1230 qualifier tables,default,value(type=$infile)
1231 disallow (any2(delete,object,replace,symbols))
1232 disallow (listing and (delete or symbols))

```

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VAX/VMS Command Definition Utility (V4-001) Page 23  
\_S255\$DUA28:[CLD.SRC]SET.CLD;1 (1)

```
1233
1234 define syntax no_parameter
1235     parameter pl,label=option,value(required,type=set_options)
1236     noqualifiers
1237
1238 define type set_options
1239     keyword accounting,    syntax=set_accounting
1240     keyword acl,           syntax=set_acl
1241     keyword audit,        syntax=set_audit
1242     keyword broadcast,     syntax=set_broadcast,
1243                             value(list,required,type=brdcst_types)
1244     keyword card_reader,  syntax=set_card_reader
1245     keyword cluster,      syntax=set_cluster
1246     keyword device,       syntax=set_device
1247     keyword default,      syntax=set_default
1248     keyword directory,    syntax=set_directory
1249     keyword file,         syntax=set_file
1250     keyword logins,       syntax=set_logins
1251     keyword magtape,      syntax=set_magtape
1252     keyword on,           syntax=set_on,negatable
1253     keyword password,     syntax=set_password
1254     keyword printer,      syntax=set_printer
1255     keyword process,      syntax=set_process
1256     keyword protection,   syntax=set_protection,
1257                             value(list,type=protection)
1258     keyword queue,        syntax=set_queue
1259     keyword terminal,     syntax=set_terminal
1260     keyword uic,          syntax=set_uic
1261     keyword verify,       syntax=set_verify,negatable,
1262                             value(list,type=verify_keys)
1263     keyword volume,       syntax=set_volume
1264     keyword working_set,  syntax=set_working_set
1265     keyword rms_default,  syntax=set_rms_default
1266     keyword control_y,    syntax=set_control,negatable,
1267                             value(list,type=control_keys)
1268     keyword time,         syntax=no_parameter,value
1269     keyword host,         syntax=set_host
1270     keyword message,      syntax=set_message
1271     keyword command,      syntax=set_command
1272     keyword day,          syntax=set_day
1273     keyword prompt,       syntax=set_prompt,value
1274     keyword key,          syntax=set_key
1275     keyword restart_value, syntax=set_restart_value,value
1276     keyword output_rate,  syntax=set_output_rate,value(type=$deltatime)
1277
1278 define verb set
1279     parameter pl,label=option,prompt='What',
1280                 value(required,type=set_options)
```

\$ SET COMMAND SRC\$ : ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255\$DUA28:[CLD.SRC]SHOW.CLD;1 (1)

Version: 'V04-000'

V03-034 AEW0003 Anne E. Warner 20-Jul-1984  
Change SHOW MSCP to be SHOW DEVICE/SERVED. Add syntax  
show\_served pointed to by qualifier 'served' in  
show\_device. Show\_served has the following qualifiers:  
1. ALL  
2. COUNT  
3. HOST  
4. RESOURCE  
5. OUTPUT

V03-034 MCN0173 Maria del C. Nasr 25-Jun-1984  
Make the /OUTPUT qualifier default to SYS\$OUTPUT.

V03-033 AEW0002 Anne E. Warner 27-Apr-1984  
Add keyword MSCP to show Mass Storage devices. This  
keyword has the qualifiers:  
1. COUNT  
2. HOST  
3. RESOURCE  
4. UNITS  
5. OUTPUT

V03-032 HWS0020 Harold Schultz 10-Apr-1984  
Add qualifier /LOG to SHOW KEY.

V03-031 LMP0217 L. Mark Pilant 24-Mar-1984 22:21  
Change all references to SHOWACL to SETSHOACL.

V03-030 PCG0010 Peter George 14-Mar-1984  
Change default value of SHOW QUEUE/OUTPUT.  
Make SHOW KEY/DIR and /FULL mutually exclusive.  
Add SHOW SYMBOL/LOG.  
Update SHOW LOGICAL command.

V03-029 HWS0019 Harold Schultz 06-Mar-1984  
Integrate in SHOW TERM/X29

V03-028 PCG0009 Peter George 29-Feb-1984  
Add /OUTPUT qualifier to SHOW QUEUE.

V03-025 PRD0068 Paul R. DeStefano 28-Feb-1984  
Change SHOW CLUSTER/INTERVAL=deltatime to  
/INTERVAL=seconds. Limit values on /REPORT=  
to CLUSTER, LOCAL\_PORTS, and CYCLE.

V03-026 PCG0008 Peter George 27-Feb-1984  
Add /FULL qualifier to SHOW KEY.

V03-025 MCN0152 Maria del C. Nasr 23-Feb-1984  
Disallow /CONTINUOUS and /OUTPUT qualifiers for  
SHOW PROCESS.

V03-024 AEW0001 Anne E. Warner 02-Feb-1984



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

Add qualifier /FULL to SHOW SYSTEM.

V03-023	LMP0185	L. Mark Pilant,	1-Feb-1984 13:53
	Add support for device ACLs.		
V03-022	TMK0001	Todd M. Katz	18-Oct-1983
	Change which SHOW LOGICAL qualifiers are mutually exclusive. Also, change the spelling of the qualifier descendants to descendants.		
V03-021	KFH0003	Ken Henderson	22 Sep 1983
	Mods to support generized table handling in SHOW LOGICAL.		
V03-020	GAS0175	Gerry Smith	30-Aug-1983
	Add SHOW BROADCAST, as well as /OUTPUT where possible.		
V03-019	PCG0007	Peter George	17-Aug-1983
	Remove SHOW XTRANSLATION.		
V03-018	GAS0154	Gerry Smith	25-Jul-1983
	Add SHOW AUDIT.		
V03-017	KFH0002	Ken Henderson	21 Jul 1983
	Modify SHOW LOGICAL.		
V03-016	MAJ0001	Melanie Johnson	23-Jun-1983
	Remove mcignore flag from SHOW XTRAN.		
V03-015	MLJ0115	Martin L. Jack	23-Jun-1983
	Update SHOW QUEUE.		
V03-014	KFH0001	Ken Henderson	16 Jun 1983
	Modify SHOW LOGICAL.		
V03-013	PCG0006	Peter George	27-May-1983
	Add SHOW XTRAN.		
V03-012	MLJ0012	Martin L. Jack	27-May-1983
	Changes for new QUEMAN image.		
V03-011	PCG0005	Peter George	13-Apr-1983
	Add SHOW KEY/BRIEF/DIRECTORY.		
V03-010	PRD0010	Paul DeStefano	28-Mar-1983
	Added qualifiers to SHOW CLUSTER command.		
V03-009	PCG0004	Peter George	28-Mar-1983
	Add SHOW KEY. Uncomment NOSTATS.		
V03-008	PCA1008	Paul C. Anagnostopoulos	25-Mar-1983
	Make all necessary changes for new CDU.		
V03-007	PCG0003	Peter George	02-Mar-1983



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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

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113      Comment out NOSTATS for now.
114
115      V03-006 PCG0002      Peter George      24-Feb-1983
116      Set NOSTAT bit in SHOW STATUS and SHOW SYMBOL.
117
118      V03-005 PRD0007      Paul DeStefano    2-Feb-1983
119      Added SHOW CLUSTER command.
120      Removed all PREFIX statements.
121
122      V03-004 GAS0101      Gerry Smith        13-Jan-1983
123      Complete GAS0099.
124
125      V03-003 GAS0099      Gerry Smith        7-Jan-1983
126      Changes for the new SHOW image.
127
128      V03-002 MLJ0002      Martin L. Jack    01-Jan-1983
129      Changes for new QUEMAN image.
130
131      V03-001 PCG0001      Peter George      19-Oct-1982
132      Copy previous parameter definitions into each
133      DEFINE SYNTAX statement. Change SHOW DEVICE to
134      SHOW DEVICES.
135
136
137      define type acl_objects
138      keyword file
139      keyword device
140      keyword queue
141      keyword event_cluster
142      keyword logical_name_table
143      keyword process
144      keyword global_section
145
146
147      define type acmode
148      keyword user_mode
149      keyword supervisor_mode
150      keyword executive_mode
151      keyword kernel_mode
152
153      define syntax show_acl
154      image setshowacl
155      parameter p1,label=option,value(required)
156      parameter p2,label=input,prompt='Object name',value(required)
157      qualifier object_type, value(required,type=acl_objects)
158
159      define syntax show_broad
160      parameter p1,label=option,value(required)
161      qualifier output, default,value(type=$file,default='SYS$OUTPUT')
162
163      define syntax show_cpu
164      image mp
165      parameter p1,label=option,value(required)
166      noqualifiers
167
168      define syntax show_daytime
```

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169     cliroutine showtime
170     parameter p1,label=option,value(required)
171     noqualifiers
172
173 define syntax show default
174     cliroutine showdef
175     parameter p1,label=option,value(required)
176     noqualifiers
177
178 define syntax show_all_keys
179     parameter p1,label=option,value(required)
180
181 define syntax show_all_states
182     parameter p1,label=option,value(required)
183
184 define syntax show_key
185     prefix clisk_shky_
186     cliroutine showkey
187     parameter p1,label=option,value(required)
188     parameter p2,prompt="Key name",value(required)
189     qualifier all,syntax=show_all_keys
190     qualifier state,value(required,list)
191     qualifier brief
192     qualifier directory,syntax=show_all_states
193     qualifier full
194     qualifier log
195     disallow directory and (brief or state or all or full)
196
197 define syntax show_logical
198     parameter p1,label=option,value(required)
199     parameter p2,label=logname,prompt="Logical name",value(list,type=$inlog)
200     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
201     qualifier system
202     qualifier group
203     qualifier process
204     qualifier job
205     qualifier all
206     qualifier table,value(list,required)
207     qualifier descendants
208     qualifier structure
209     qualifier access_mode,value(required,type=acmode)
210     qualifier full
211     disallow structure and
212         (system or group or job or process or table or descendants)
213
214 define syntax show_protection
215     cliroutine showprot
216     parameter p1,label=option,value(required)
217     noqualifiers
218
219 define syntax show_queue
220     image queman
221     parameter p1,label=option,value(required)
222     parameter p2,prompt="Queue",value(default="*")
223     qualifier all
224     qualifier batch

```

```

225     qualifier brief
226     qualifier characteristics
227     qualifier device
228     qualifier files
229     qualifier forms
230     qualifier full
231     qualifier output,          default,value(default='SYS$OUTPUT',type=$file)
232
233 define syntax show_all_symbols
234     parameter p1,label=option,value(required)
235
236 define syntax show symbol
237     cliroutine showsymb1
238     prefix clisk shsy
239     cliflags(nostat)
240     parameter p1,label=option,value(required)
241     parameter p2,prompt='Symbol',value(required,type=$insym)
242     qualifier global,          placement=positional
243     qualifier local,          placement=positional
244     qualifier all,            placement=positional,syntax=show_all_symbols
245     qualifier log
246
247 define syntax show translation
248     cliroutine showtran
249     parameter p1,label=option,value(required)
250     parameter p2,prompt='Log name',value(required,type=$inlog)
251     qualifier table,value(required)
252
253 define syntax show_served
254     parameter p1,label=option,value(required)
255     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
256     qualifier all,
257     qualifier count,
258     qualifier host,
259     qualifier resource,
260     qualifier served,          default,nonnegatable ! 'served' is here
261                                     !because the code for show device and show served
262                                     !is different. When the show device code is
263                                     !entered the syntax being used is the show served
264                                     !syntax but all of the qualifiers are different
265                                     !so it won't work. The solution is to add the
266                                     !qualifier 'served' and have the show-device
267                                     !check for it first and to branch to the
268                                     !show syntax code where this syntax will work.
269                                     !At this point 'served' is always present so it
270                                     !is 'default' and it is 'nonnegatable' to someone
271                                     !can't mess everything up by saying 'noserved'.
272
273 define syntax show device
274     parameter p1,label=option,value(required)
275     parameter p2,label=device,prompt='Device',value(type=$device)
276     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
277     qualifier allocated,
278     qualifier brief
279     qualifier full
280     qualifier mounted

```

```

281     qualifier files
282     qualifier system
283     qualifier windows
284     qualifier served,          nonnegatable,syntax=show_served
285     disallow served and (allocated or brief or full or mounted or files or
286         system or windows)
287
288 define syntax show_status
289     cliroutine showstat
290     cliflags(nostatus)
291     parameter p1,label=option,value(required)
292     noqualifiers
293
294 define syntax show_process
295     parameter p1,label=option,value(required)
296     parameter p2,label=process,prompt="Process",value(type=$process)
297     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
298     qualifier quotas          nonnegatable
299     qualifier accounting      nonnegatable
300     qualifier privileges      nonnegatable
301     qualifier memory          nonnegatable
302     qualifier subprocesses    nonnegatable
303     qualifier identification  value(required),nonnegatable
304     qualifier continuous      nonnegatable
305     qualifier all             nonnegatable
306     disallow continuous and output
307
308 define syntax show_system
309     parameter p1,label=option,value(required)
310     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
311     qualifier process,        default,nonnegatable
312     qualifier batch           nonnegatable
313     qualifier subprocess      nonnegatable
314     qualifier network         nonnegatable
315     qualifier full            nonnegatable
316
317 define syntax show_terminal
318     parameter p1,label=option,value(required)
319     parameter p2,label=device,prompt="Device",value(type=$device)
320     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
321     qualifier permanent        nonnegatable
322     qualifier x29,             syntax=show_term_x29
323
324 define      syntax show_term_x29
325     image    psishowx29
326
327 define syntax show_printer
328     parameter p1,label=option,value(required)
329     parameter p2,label=device,prompt="Device",value(required,type=$device)
330     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
331
332 define syntax show_magtape
333     parameter p1,label=option,value(required)
334     parameter p2,label=device,prompt="Device",value(required,type=$device)
335     qualifier output,          default,value(type=$file,default="SYS$OUTPUT")
336

```



```

337 define syntax show_quota
338     clioutline showquota
339     prefix clisk_shq
340     parameter p1,label=option,value(required)
341     qualifier disk,          default,value(type=$device)
342     qualifier user,          value(required,type=$uic)
343
344 define syntax show_memory
345     parameter p1,label=option,value(required)
346     qualifier output,        default,value(type=$file,default='SYS$OUTPUT')
347     qualifier physical_memory nonnegatable
348     qualifier slots          nonnegatable
349     qualifier pool            nonnegatable
350     qualifier files           nonnegatable
351     qualifier full            nonnegatable
352     qualifier all             nonnegatable
353
354 define syntax show_error
355     parameter p1,label=option,value(required)
356     qualifier output,        default,value(type=$file,default='SYS$OUTPUT')
357     qualifier brief          nonnegatable
358     qualifier full           nonnegatable
359
360 define syntax show_user
361     parameter p1,label=option,value(required)
362     parameter p2,label=username,prompt='Username',value
363     qualifier output,        default,value(type=$file,default='SYS$OUTPUT')
364
365 define syntax no_parameter
366     parameter p1,label=option,value(required)
367     noqualifiers
368
369 define type cluster_reports
370     keyword cluster
371     keyword local_ports
372     keyword cycle
373
374 define syntax show_cluster
375     image shucstr
376     parameter p1,label=option,value(required)
377     qualifier beginning      value(required,type=$datetime),nonnegatable
378     qualifier continuous     nonnegatable
379     qualifier ending         value(required,type=$datetime),nonnegatable
380     qualifier interval       value(required,type=$number),nonnegatable
381     qualifier output         default,value(type=$file,default='SYS$OUTPUT')
382     qualifier report         value(required,type=cluster_reports),
383                             nonnegatable
384
385 define type show_options
386     keyword act,             syntax=show_act
387     keyword broadcast,       syntax=show_broad
388     keyword cpu,             syntax=show_cpu
389     keyword daytime,         syntax=show_daytime
390     keyword time,            syntax=show_daytime
391     keyword default,         syntax=show_default
392     keyword logical,         syntax=show_logical

```



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VAX/VMS Command Definition Utility (V4-001) Page 8  
\_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

```
393 keyword protection, syntax=show_protection
394 keyword queue, syntax=show_queue
395 keyword symbol, syntax=show_symbol
396 keyword translation, syntax=show_translation
397 keyword working_set, syntax=show_broad
398 keyword devices, syntax=show_device
399 keyword status, syntax=show_status
400 keyword process, syntax=show_process
401 keyword system, syntax=show_system
402 keyword terminal, syntax=show_terminal
403 keyword printer, syntax=show_printer
404 keyword network, syntax=show_broad
405 keyword rms_default, syntax=show_broad
406 keyword magtape, syntax=show_magtape
407 keyword quota, syntax=show_quota
408 keyword memory, syntax=show_memory
409 keyword users, syntax=show_user
410 keyword error, syntax=show_error
411 keyword accounting, syntax=show_broad
412 keyword cluster, syntax=show_cluster
413 keyword key, syntax=show_key,cliflags(mcrignore)
414 keyword audit, syntax=show_broad
415
416 define verb show
417 parameter p1,label=option,prompt='What',
418 value(required,type=show_options)
419
420
421
```

\$ SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]SORT.CLD;1 (1)

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|
| Version: 'V04-000'
|
|
| module sortmerge
| define type sort_key
|     keyword position,value(required,type=$number)
|     keyword size,value(required,type=$number)
|     keyword number,value(required,type=$number)
|     keyword binary
|     keyword character
|     keyword decimal
|     keyword d_floating
|     keyword f_floating
|     keyword g_floating
|     keyword h_floating
|     keyword packed_decimal
|     keyword zoned
|     keyword signed
|     keyword unsigned
|     keyword leading_sign
|     keyword trailing_sign
|     keyword overpunched_sign
|     keyword separate_sign
|     keyword ascending
|     keyword descending
| !! keyword dtype,value(required)
|
| define type sort_type
|     keyword address
|     keyword index
|     keyword record
|     keyword tag
|
| define type record_format
|     keyword fixed,value(type=$number)
|     keyword variable,value(type=$number)
|     keyword controlled,value(type=$number)
|     keyword size,value(required,type=$number)
|     keyword block_size,value(required,type=$number)
|     keyword record_size,value(type=$number)
|     keyword file_size,value(type=$number)
|
| define type collating_type
|     keyword ascii
|     keyword ebcdic
|     keyword multinational
|
| define syntax sort_using_srt
|     image backtrans
|
| define verb sort
|     image sortmerge
|     prefix cli$ sort
|     parameter p1,prompt='Input',value(required,list,type=$infile)
|     parameter p2,prompt='Output',value(required,type=$outfile)
```

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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]SORT.CLD;1 (1)

```
57  qualifier process,      value(required,type=sort_type)
58  qualifier key,          value(required,list,type=sort_key)
59  qualifier zzzz,
60  qualifier work_files,   value(type=$number), default
61  qualifier specification,value(type=$infile)
62  qualifier rsx11,        syntax=sort_using_srt
63  qualifier format,       value(required,list,type=record_format),
64                             placement=local
65  qualifier bucket_size,  value(required,type=$number),
66                             placement=positional
67  qualifier allocation,   value(required,type=$number),
68                             placement=positional
69  qualifier block_size,   value(required,type=$number),placement=local,
70                             syntax=sort_using_srt
71  qualifier contiguous,   placement=positional
72  qualifier device,       value(required,type=$device),
73                             syntax=sort_using_srt
74  qualifier indexed_sequential,value(type=$number),placement=positional
75  qualifier relative,     placement=positional
76  qualifier sequential,   placement=positional
77  qualifier overlay,      placement=local
78  qualifier stable,
79  qualifier statistics,
80  qualifier load_fill,    placement=local
81  qualifier collating_sequence value(required,type=collating_type)
82  qualifier duplicates,   default !!,value
83  qualifier check_sequence
84
85  define verb merge
86  image sortmerge
87  prefix clisk_merg_
88  parameter p1,prompt="Input",value(required,list,type=$infile)
89  parameter p2,prompt="Output",value(required,type=$outfile)
90  qualifier process,      value(required,type=sort_type)
91  qualifier key,          value(required,list,type=sort_key)
92  qualifier zzzz,
93  qualifier work_files,   value(type=$number)
94  qualifier specification,value(type=$infile)
95  qualifier zzyz,
96  qualifier format,       value(required,list,type=record_format),
97                             placement=local
98  qualifier bucket_size,  value(required,type=$number),
99                             placement=positional
100  qualifier allocation,   value(required,type=$number),
101                             placement=positional
102  qualifier block_size,   value(required,type=$number),placement=local
103                             syntax=sort_using_srt
104  qualifier contiguous,   placement=positional
105  qualifier zzzx,
106  qualifier indexed_sequential,value(type=$number),placement=positional
107  qualifier relative,     placement=positional
108  qualifier sequential,   placement=positional
109  qualifier overlay,      placement=local
110  qualifier stable
111  qualifier statistics
112  qualifier load_fill,    placement=local
```

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]SORT.CLD;1 (1)

113 qualifier collating\_sequence,value(required,type=collating\_type)  
114 qualifier duplicates, default !!,value  
115 qualifier check\_sequence, default

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255\$DUA28:[CLD.SRC]SPAWN.CLD;1 (1)

Version: 'V04-000'

V03-007 HWS042 Harold Schultz 29-Mar-1984  
Add SPAWN/TABLE  
V03-006 MAJ0001 Melanie Johnson 04-Jan-1984  
Flag qualifiers that MCR should ignore.  
V03-005 PCG0004 Peter George 27-Jun-1983  
Add SPAWN/CLI.  
V03-004 PCG0003 Peter George 21-Jun-1983  
Add SPAWN/KEYPAD.  
V03-003 PCG0002 Peter George 30-Apr-1983  
Add SPAWN/PROMPT/CARRIAGE\_CONTROL.  
V03-002 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983  
Make all necessary changes for new CDU.  
V03-001 PCG0001 Peter George 02-Feb-1983  
Add SPAWN/SYMBOLS/LOGICAL\_NAMES/NOTIFY/CONTINUE  
Remove /TIME\_LIMIT.

define verb spawn

cliroutine spawn  
prefix clisk\_spaw  
parameter p1,value(type=\$rest\_of\_line)  
qualifier process,value(required)  
qualifier wait,default  
qualifier log,default  
qualifier input,value(required,type=\$infile)  
qualifier output,value(required,type=\$outfile)  
qualifier symbols,default,cliflags(mcrignore)  
qualifier logical\_names,default  
qualifier notify  
qualifier carriage\_control,cliflags(mcrignore)  
qualifier prompt,value,cliflags(mcrignore)  
qualifier keypad,default,cliflags(mcrignore)  
qualifier cli,value(required,type=\$file)  
qualifier table,value(required,type=\$file)

define syntax attach\_by\_pid  
noparameters

define verb attach

cliroutine attach  
prefix clisk\_atta  
parameter p1,value(required),prompt="Process"  
qualifier identification,value(required),syntax=attach\_by\_pid

\$ SET COMMAND SRC\$ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]START.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-016 JAK0227 J A Krycka 17-Aug-1984  
Disallow certain printer queue specific qualifiers to be used  
with /BATCH and /GENERIC.

V03-009 JAK0226 J A Krycka 16-Aug-1984  
Change /OWNER to /OWNER\_UIC for consistency with other commands.  
Omit "list" as an attribute for the /OWNER\_UIC qualifier.

V03-008 JAK0220 J A Krycka 12-Jul-1984  
Add [NO]FEED option to the /DEFAULT qualifier.

V03-007 JAK0219 J A Krycka 11-Jul-1984  
Add /BUFFER\_COUNT and /EXTEND\_QUANTITY qualifiers.

V03-006 MLJ0006 Martin L. Jack 29-Jul-1983  
Add /LIBRARY and /SCHEDULE.

V03-005 MLJ0005 Martin L. Jack 27-May-1983  
Changes for new QUEMAN image.

V03-004 MLJ0004 Martin L. Jack 27-Apr-1983  
Changes for new QUEMAN image.

V03-003 MLJ0003 Martin L. Jack 01-Mar-1983  
Changes for new QUEMAN image.

V03-002 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Remove PREFIX clause.

V03-001 MLJ0001 Martin L. Jack 03-Jan-1982  
Changes for new QUEMAN image.

define type print\_bft  
keyword all,default  
keyword one

define type defaults  
keyword burst,negatable,value(type=print\_bft)  
keyword feed,negatable  
keyword flag,negatable,value(type=print\_bft)  
keyword trailer,negatable,value(type=print\_bft)

define type retain  
keyword all,default  
keyword error

define type schedule  
keyword size,negatable

define type separate  
keyword burst,negatable  
keyword flag,negatable  
keyword reset,negatable,value(required,list)

```

57      keyword trailer,negatable
58
59  define type protection
60      keyword system,value
61      keyword group,value
62      keyword owner,value
63      keyword world,value
64
65  define syntax start_cpu
66      image mp
67      noparameters
68      noqualifiers
69
70  define syntax start_queue
71      parameter p1,prompt='Queue',value(required)
72
73  define syntax start_queue_manager
74      parameter p1,prompt='File',value(type=$infile)
75
76  define verb start
77      image queman
78      parameter p1,prompt='What',value(required)
79      qualifier align,          value(list)
80      qualifier backward,       value
81      qualifier base_priority,value(required)
82      qualifier batch
83      qualifier block_limit,    value(required,list)
84      qualifier buffer_count,   value(required)
85      qualifier characteristics,value(required,list)
86      qualifier cpu,nonnegatable,syntax=start_cpu
87      qualifier cpudefault,     value(required)
88      qualifier cpumaximum,     value(required)
89      qualifier default,        value(required,list,type=defaults)
90      qualifier disable_swapping
91      qualifier enable_generic
92      qualifier extend_quantity,value(required)
93      qualifier form,           value(required)
94      qualifier forward,        value
95      qualifier generic,        value(list)
96      qualifier job_limit,      value(required)
97      qualifier library,        value(required)
98      qualifier manager,        syntax=start_queue_manager
99      qualifier new_version
100     qualifier next
101     qualifier on,              value(type=$infile,required)
102     qualifier owner_uic,       value(required,type=$uic)
103     qualifier processor,       value(required)
104     qualifier protection,      value(required,list,type=protection)
105     qualifier queue,           syntax=start_queue
106     qualifier retain,          value(type=retain)
107     qualifier schedule,        value(required,list,type=schedule)
108     qualifier search,          value(required)
109     qualifier separate,        value(required,list,type=separate)
110     qualifier terminal
111     qualifier trailer
112     qualifier top_of_file

```

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255\$DUA28:[CLD.SRC]START.CLD;1 {1}

113 qualifier wsdefault, value(required)  
114 qualifier wextent value(required)  
115 qualifier wsquota, value(required)  
116 disallow default and (batch or generic)  
117 disallow separate and (batch or generic)  
118 disallow form and (batch or generic)

\$ SET COMMAND SRC\$ : ACC.CLD, ANALYZE.CLD, BACKUP.CLD, CHECKSUM.CLD, CONVERT.CLD, COPY.CLD, CREATE.CLD, DCLINT.CLD, DELETE.CLD, DIFF.CLD, DIRECT

12  
16-SEP-1984 04:00  
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VAX/VMS Command Definition Utility (V4-001)  
\_S255SDUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-009 JAK0220 J A Krycka 22-Jul-1984  
Eliminate the default attribute from the FEED qualifier  
because there is now a queue level default for it.

V03-008 RRB0021 Rowland R. Bradley 19-Jun-1984  
Add the common qualifier package to both PRINT and  
SUBMIT. The qualifiers include /confirm, /exclude,  
/before, /since, /created, /modified, /expired, /backup,  
and /by\_owner. Disallow /REMOTE with other qualifiers than  
the common qualifier ones.

V03-007 PCG000c Peter George 14-Feb-1984  
Add SUBMIT/PRINTER default.

V03-006 PCG0002 Peter George 15-Aug-1983  
Add SUBMIT/SNA qualifiers.

V03-005 MLJ0005 Martin L. Jack 26-May-1983  
Changes for new SUBMIT image.

V03-004 MLJ0004 Martin L. Jack 27-Apr-1983  
Changes for new SUBMIT image.

V03-003 MLJ0003 Martin L. Jack 01-Mar-1983  
Changes for new SUBMIT image.

V03-002 MLJ0002 Martin L. Jack 30-Dec-1982  
Changes for new SUBMIT image.

V03-001 PCG0001 Peter George 05-Sep-1982  
Add SUBMIT/SNA.

define type print\_bft  
keyword all,default  
keyword one

define verb print  
image submit  
parameter pl,prompt='File',value(required,list,impcat,type=\$infile)  
qualifier after,value(required,type=\$datetime)  
qualifier backup  
qualifier before,value(default=today,type=\$datetime)  
qualifier burst,value(type=print\_bft),placement=positional  
qualifier by\_owner,value(type=\$uic)  
qualifier characteristics,value(required,list)  
qualifier confirm  
qualifier copies,value(required),placement=positional  
qualifier created  
qualifier delete,placement=positional  
qualifier device,value(required)  
qualifier exclude,value(required,list)  
qualifier expired  
qualifier feed,placement=positional



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VAX/VMS Command Definition Utility (V4-001) Page 2  
\_S255\$DUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

```
57      qualifier flag,          value(type=print_bft),placement=positional
58      qualifier form,          value(required)
59      qualifier header,        placement=positional
60      qualifier hold
61      qualifier identify,      default
62      qualifier job_count,     value(required)
63      qualifier lowercase
64      qualifier modified
65      qualifier name,          value(required)
66      qualifier note,          value(required)
67      qualifier notify
68      qualifier operator,      value(required)
69      qualifier pages,         value(required,list),placement=positional
70      qualifier parameters,    value(required,list)
71      qualifier passall,       placement=positional
72      qualifier priority,      value(required)
73      qualifier queue,         value(required)
74      qualifier remote
75      qualifier restart
76      qualifier setup,        value(required,list),placement=positional
77      qualifier since,         value(default=today,type=$datetime)
78      qualifier space,        placement=positional
79      qualifier trailer,       value(type=print_bft),placement=positional
80      qualifier user,          value(required)
81      disallow                 remote and (user or trailer or space or
82                               setup or restart or queue or
83                               priority or passall or parameters or pages or
84                               operator or notify or note or name
85                               or lowercase or job_count or identify or hold
86                               or header or form or flag or feed
87                               or device or delete or after
88                               or copies or characteristics or burst)
89
90      define type translate_keywords
91          keyword ebcdic,      default
92
93      define syntax submit sna
94          image snasubmit
95
96      define verb submit
97          parameter pl,prompt='File',value(required,list,impcat,type=$infile)
98          qualifier after,      value(required,type=$datetime)
99          qualifier backup
100         qualifier before,     value(default=today,type=$datetime)
101         qualifier by_owner,   value(type=$uic)
102         qualifier characteristics,value(required,list)
103         qualifier cli,        value(required)
104         qualifier confirm
105         qualifier cputime,     value(required)
106         qualifier created
107         qualifier delete,     placement=positional
108         qualifier exclude,    value(required,list)
109         qualifier expired
110         qualifier hold
111         qualifier identify,   default
112         qualifier keep
```

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VAX/VMS Command Definition Utility (V4-001) Page 3  
\_S255SDUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

```
113      qualifier log_file,      value(required)
114      qualifier modified
115      qualifier name,          value(required)
116      qualifier notify
117      qualifier parameters,    value(required,list)
118      qualifier printer,       value(default='SYS$PRINT')
119      qualifier priority,      value(required)
120      qualifier queue,         value(required)
121      qualifier remote
122      qualifier restart
123      qualifier since,         value(default=today,type=$datetime)
124      qualifier sna,           syntax=submit_sna ! SNA
125      qualifier translate,     default,placement=positional, ! SNA
126                                value(type=translate_keywords,default='EBCDIC')
127      qualifier user,          value(required)
128      qualifier wsdefault,     value(required)
129      qualifier wsextent,      value(required)
130      qualifier wsquota,       value(required)
131      qualifier record_size,   nonnegatable,placement=positional, ! SNA
132                                value(required)
133      qualifier tab,           placement=positional ! SNA
134      disallow                 remote and (tab or record_size or wsquota or
135                                wsdefault or user or translate or sna
136                                or restart or queue or priority or printer or
137                                parameters or notify or name or
138                                log_file or keep or identify or hold
139                                or delete or cputime or after or wsextent
140                                or cli or characteristics)
```

% SET COMMAND SRC\$:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]SYNCH.CLD;1 (1)

```

1  |  Version:      'V04-000'
2  |
3  |      V03-002 MLJ0002      Martin L. Jack      30-Dec-1982
4  |      Changes for new QUEMAN image.
5  |
6  |  define verb synchronize
7  |      image queman
8  |      parameter pl,prompt="Jobname"
9  |      qualifier entry,      value(required)
10 |      qualifier queue,      value(required)
11 |

```

\$ SET COMMAND SRC\$ : ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT

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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]TYPE.CLD;1 (1)

Version: 'V04-000'

V03-004 MCN0173 Maria del C. Nasr 09-Jul-1984  
Let /OUTPUT qualifier default to SYSS\$OUTPUT.  
V03-003 SHZ0003 Stephen H. Zalewski 16-Feb-1984  
Disallow /OUTPUT and /PAGE.  
V03-002 SHZ0002 Stephen H. Zalewski 12-Mar-1983  
Changed /BYOWNER qualifier to /BY\_OWNER.  
V03-001 SHZ0001 Stephen H. Zalewski 10-mar-1983  
Add common qualifer package to TYPE. Modified TYPE to use  
new CLD.

define verb type  
image type  
parameter p1,prompt='File',value(required,list,impcat,type=\$infile), label=input  
qualifier backup  
qualifier before, value(default=today,type=\$datetime)  
qualifier confirm  
qualifier created  
qualifier exclude, value(required,list)  
qualifier expired  
qualifier modified  
qualifier on, value(default=today,type=\$datetime) ! not yet implemented  
qualifier output, default,value(type=\$file,default='SYSS\$OUTPUT')  
qualifier page,  
qualifier since, value(default=today,type=\$datetime)  
qualifier by\_owner, value(type=\$uic)  
disallow output and page

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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VAX/VMS Command Definition Utility (V4-001) Page 1  
\_S255SDUA28:[CLD.SRC]UNLOCK.CLD;1 (1)

```
1  |
2  |
3  |
4  |
5  |
6  |
7  |
8  |
9  |
10 |
11 |
12 |
13 |
```

Version: 'V04-000'

Edit History

V03-001 AEW0001 Anne E. Warner 09-Nov-1983  
PREFIX clause removed.

define verb unlock  
image unlock  
parameter p1,prompt='File',value(required,list,impcat,type=\$infile)  
qualifier confirm  
qualifier log

\$ SET COMMAND SRCS:ACC.CLD,ANALYZE.CLD,BACKUP.CLD,CHECKSUM.CLD,CONVERT.CLD,COPY.CLD,CREATE.CLD,DCLINT.CLD,DELETE.CLD,DIFF.CLD,DIRECT



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